	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	-
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL FI	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Very deep, well drained, dark	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
	Colvard fine	yellowish brown sandy floodplain soils; developed in alluvial materials	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE	VERY POOR	
1A	sandy loam; frequently	derived from upland soil material weathered from predominantly	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.2	Substratum: Moderate		Within 100-year floodplain; frequent	NOT SUITED Flooding potential
	flooded	metamorphic and crystalline rocks	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	flooding; rare ponding	
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE		
		Very deep, moderately well drained,	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
	Codorus loam;	yellowish brown loamy soils with intermittent high water tables on	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND	VERY POOR	
2A	frequently flooded	floodplains; developed in alluvium washed from crystalline and	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate		Within 100-year floodplain; frequent	NOT SUITED Flooding potential
	nooded	metamorphic rocks	Shrink-Swell Potential:	low	Hydrologic Group:	С		FORESTRY (HARDWOOD)	flooding; rare ponding	
		May have Hydric Soil inclusions	Bearing Capacity:	Very low				VERY HIGH		
			Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
	Suches loam;	Very deep, well drained, yellowish brown silty soils on floodplains;	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND	VERY POOR	
3A	frequently flooded	developed in alluvium washed from metamorphic and crystalline rocks	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Within 100-year floodplain; frequent	NOT SUITED Flooding potential
	nooded		Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	flooding; rare ponding	
		May have Hydric Soil inclusions	Bearing Capacity:	low				HIGH		
		Very deep, poorly drained, gray	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
	Hatboro silt	loamy soils with intermittent high water tables on concave depressions	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED	VERY POOR Within 100-year	
4A	loam; frequently	in floodplains; developed in alluvium washed from crystalline and	Watertable Depth (in.):	0 - 10	K Factor (subsoil):	0.2	Substratum: Moderate		floodplain; frequent flooding; occasional	NOT SUITED Flooding potential
	nooded	metamorphic rocks	Shrink-Swell Potential:	low	Hydrologic Group:	D		FORESTRY (HARDWOOD)	ponding; high water table	
		HYDRIC SOIL	Bearing Capacity:	Very low				MODERATELY LOW		
		Very deep, moderately well drained,	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
	Rowland silt	mottled yellowish-brown and weak red silty soils with high water tables	Bedrock Depth (in.):	> 60	K Factor (surface):	0.43	Subsoil: Moderate	SECONDARY CROPLAND	VERY POOR Within 100-year	
5A	loam; frequently	on floodplains; developed in alluvium from Triassic uplands	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.43	Substratum: Moderate		floodplain; frequent flooding; occasional	NOT SUITED Flooding potential
	nooded	17011 Triuosie apiands	Shrink-Swell Potential:	low	Hydrologic Group:	С		FORESTRY (HARDWOOD)	ponding; intermittent high water table	
		May have Hydric Soil inclusions	Bearing Capacity:	Very low				MODERATELY HIGH		

	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I	-
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL FI	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Very deep, somewhat poorly to	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
	Bowmansville	poorly drained, gray and strong brown clayey soils in back channels	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED	VERY POOR Within 100-year	
6A	silt loam; frequently	and depressions in floodplains; developed from alluvium washed	Watertable Depth (in.):	0 - 20	K Factor (subsoil):	0.28	Substratum: Moderate		floodplain; frequent flooding; occasional	NOT SUITED Flooding potential
	flooded	from Triassic uplands	Shrink-Swell Potential:	Mod.	Hydrologic Group:	D		FORESTRY (HARDWOOD)	ponding; intermittent high water table	
		HYDRIC SOIL	Bearing Capacity:	Very low	F ' 111 1			MODERATELY HIGH		
			Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
	Bermudian silt	Very deep, well drained, brown loamy soils on narrow floodplains;	Bedrock Depth (in.): Watertable Depth	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	VERY POOR	NOT SUITED
7A	loam; occasionally flooded	developed in alluvium washed from Triassic uplands	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.28	Substratum: High	FORESTRY	Within 100-year floodplain; occasional flooding; rare ponding	Flooding potential
	nooded		Potential:	low	Hydrologic Group:	В		(HARDWOOD)	mooding, rare ponding	
		May have Hydric Soil inclusions	Bearing Capacity:	low	Erosional Hazard			HIGH		
		Very deep, somewhat poorly drained, yellowish brown loamy soils with	Slope (%) Bedrock Depth	0 - 2	Potential:	Slight	Surface: Moderate	AGRICULTURE SECONDARY	VERY POOR	
	Codorus Variant	intermittent high water tables on floodplains; developed in alluvium	(in.): Watertable Depth	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PASTURE	Within 100-year floodplain; frequent	NOT SUITED
8A	loam; frequently flooded	washed from crystalline and metamorphic rocks	(in.): Shrink-Swell	10 - 20	K Factor (subsoil):	0.24	Substratum: Moderate	FORESTRY	flooding; occasional ponding; high water	Flooding potential
			Potential:	low Very	Hydrologic Group:	С		(HARDWOOD) MODERATELY	table	
		May have Hydric Soil inclusions	Bearing Capacity:	low	Erosional Hazard			HIGH		
		Very deep, somewhat poorly drained, yellowish brown loamy soils with intermittent high water tables in concave	Slope (%) Bedrock Depth	0 - 2	Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year	
	Mongle loam,	landscapes, along small drainageways and on alluvial fans; contains 0.1 – 3% surface	(in.): Watertable Depth	> 60	K Factor (surface):	0.37	Subsoil: low	NOT SUITED	floodplain; frequent flooding; high water table;	NOT SUITED
9A	very stony	stones; developed in recent colluvium/alluvium washed from basic and	(in.): Shrink-Swell	10 - 20	K Factor (subsoil):	0.37	Substratum: low	FORESTRY	concentrated runoff from higher areas; overland flow- significant destructive	High water table
		acidic rocks	Potential:	Mod.	Hydrologic Group:	С		(HARDWOOD) MODERATELY	potential during flooding events; surface stones	
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.	Erosional Hazard			LOW	,	
		Very deep, somewhat poorly drained, yellowish brown loamy soils with intermittent high water tables in concave	Slope (%) Bedrock Depth	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year	
9B	Mongle loam,	landscapes, along small drainageways and on alluvial fans; contains 0.1 – 3% surface	(in.): Watertable Depth	> 60	K Factor (surface):	0.37	Subsoil: low	NOT SUITED	floodplain; frequent flooding; high water table;	NOT SUITED
98	very stony	stones; developed in recent colluvium/alluvium washed from basic and	(in.): Shrink-Swell	10 - 20	K Factor (subsoil):	0.37	Substratum: low	FORESTRY	concentrated runoff from higher areas; overland flow- significant destructive	High water table
		May have Hydric Soil inclusions	Potential:	Mod.	Hydrologic Group:	С		(HARDWOOD) MODERATELY	potential during flooding events; surface stones	
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.				LOW		

MAP	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL FI	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Very deep, somewhat poorly drained, yellowish brown loamy soils with	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year	
		intermittent high water tables in concave landscapes, along small	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY PASTURE	floodplain; frequent flooding; high water	
10A	Mongle loam	drainageways and on alluvial fans; developed in recent	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.37	Substratum: low		table; concentrated runoff from higher	NOT SUITED High water table
		colluvium/alluvium washed from basic and acidic rocks	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)	areas; overland flow- significant destructive potential during	
		May have Hydric Soil inclusions Very deep, somewhat poorly drained,	Bearing Capacity:	Mod.	Erosional Hazard			MODERATE	flooding events VERY POOR	
		yellowish brown loamy soils with intermittent high water tables in	Slope (%) Bedrock Depth	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE SECONDARY	May be within 100-year floodplain; frequent	
100		concave landscapes, along small drainageways and on alluvial fans;	(in.): Watertable Depth	> 60	K Factor (surface):	0.37	Subsoil: low	PASTURE	flooding; high water table; concentrated	NOT SUITED
10B	Mongle loam	developed in recent colluvium/alluvium washed from	(in.): Shrink-Swell	10 - 20	K Factor (subsoil):	0.37	Substratum: low	FORESTRY	runoff from higher areas; overland flow-	High water table
		basic and acidic rocks May have Hydric Soil inclusions	Potential: Bearing Capacity:	Mod.	Hydrologic Group:	С		(HARDWOOD) MODERATE	significant destructive potential during	
			Slope (%)	0 - 2	Erosional Hazard	GI: 1	Surface: Moderate	AGRICULTURE	flooding events VERY POOR	
		Very deep, somewhat poorly drained, brownish-yellow loam soils with	Bedrock Depth	> 60	Potential: K Factor (surface):	Slight 0.37	Subsoil: low	SECONDARY	May be within 100-year floodplain; frequent	
11A	Rohrersville loam; stony	intermittent high water tables in drainageways; developed in recent greenstone colluvium/alluvium	(in.): Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.37	Substratum: Moderate	PASTURE	flooding; high water table; concentrated runoff from higher	NOT SUITED High water table
	iouiii, storry	washed from steep rocky slopes	Shrink-Swell Potential:	Mod.	Hydrologic Group:	D		FORESTRY (HARDWOOD)	areas; overland flow- significant destructive	riigii water taole
		May have Hydric Soil inclusions		low	, , ,			MODERATE	potential during flooding events	
		Very deep, somewhat poorly drained,	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year	
		brownish-yellow loam soils with intermittent high water tables in	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY PASTURE	floodplain; frequent flooding; high water	
12A	Rohrersville	drainageways; developed in recent greenstone colluvium/alluvium	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.32	Substratum: Moderate	FOREGERY	table; concentrated runoff from higher	NOT SUITED
12A	loam		Shrink-Swell Potential:	Mod.	Hydrologic Group:	D		FORESTRY (HARDWOOD)	areas; overland flow- significant destructive potential during	High water table
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE	flooding events	
		Very deep, somewhat poorly drained,	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year	
		brownish-yellow loam soils with intermittent high water tables in	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY PASTURE	floodplain; frequent flooding; high water	
100	Rohrersville	drainageways; developed in recent	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.32	Substratum: Moderate		table; concentrated runoff from higher	NOT SUITED

	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
12B	loam	greenstone condition, and vium	Shrink-Swell Potential:	Mod.	Hydrologic Group:	D		FORESTRY (HARDWOOD)	areas; overland flow- significant destructive	High water table
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE	potential during flooding events	
		Very deep, moderately well to	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	POOR	
		somewhat poorly drained, strong brown loamy soils with intermittent	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE	Frequent flooding; concentrated runoff	NOT SUITED
13A	Sumerduck loam	high water tables in drainageways; developed in alluvium and	Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.32	Substratum: Moderate		from higher areas; intermittent high water	High water table Landscape position
		colluvium from adjacent uplands	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	table; low bearing capacity	Landscape position
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE	ong moony	
		Very deep, moderately well to	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR	
		somewhat poorly drained, strong brown loamy soils with intermittent	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE	Frequent flooding; concentrated runoff	NOT SUITED
13B	Sumerduck loam	high water tables in drainageways; developed in alluvium and	Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.32	Substratum: Moderate		from higher areas; intermittent high water	High water table Landscape position
		colluvium from adjacent uplands	Shrink-Swell Potential:	low	Hydrologic Group:	С		FORESTRY (HARDWOOD)	table; low bearing capacity	
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE		
		Very deep, moderately well to	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR	
		somewhat poorly drained, strong brown loamy soils with intermittent	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE	Frequent flooding; concentrated runoff	NOT SUITED
13C	Sumerduck loam	high water tables in drainageways; developed in alluvium and	Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.32	Substratum: Moderate		from higher areas; intermittent high water	High water table Landscape position
		colluvium from adjacent uplands	Shrink-Swell Potential:	low	Hydrologic Group:	С		FORESTRY (HARDWOOD)	table; low bearing capacity	1 1
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE	. ,	
		Deep, well to moderately-well drained dark reddish-brown loamy soils with intermittent	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	POOR	
		high water tables in concave upland landscapes (swales) and drainageways;	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	Frequent flooding; concentrated runoff	NOT SUITED
14A	Sowego loam	developed in local colluvium and residuum of materials derived from Triassic siltstone,	Watertable Depth (in.):	20 - 60	K Factor (subsoil):	0.24	Substratum: Moderate		from higher areas; intermittent high water	High water table Landscape position
		shale and conglomerate	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Moderate	FORESTRY (HARDWOOD)	table; low bearing capacity	1 1
		May have Hydric Soil inclusions	Bearing Capacity:	low	T ' 111			MODERATELY HIGH	, , ,	
		Deep, well to moderately-well drained dark	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	P∩∩R	

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
,	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
14B	Sowego loam	reddish-brown loamy soils with intermittent high water tables in concave upland landscapes (swales) and drainageways; developed in local colluvium and residuum	Bedrock Depth (in.): Watertable Depth	40 - 60 20 - 60	K Factor (surface):	0.37	Subsoil: Moderate Substratum: Moderate	PRIME CROPLAND	Frequent flooding; concentrated runoff from higher areas;	NOT SUITED High water table
140	Sowego Ioani	of materials derived from Triassic siltstone, shale and conglomerate	(in.): Shrink-Swell Potential:	low	K Factor (subsoil): Hydrologic Group:	0.24 B	Weathered Bedrock: Moderate	FORESTRY (HARDWOOD)	intermittent high water table; low bearing capacity	Landscape position
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY HIGH	ong moony	
		Deep, well to moderately-well drained dark reddish-brown loamy soils with intermittent	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR	
		high water tables in concave upland landscapes (swales) and drainageways;	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	Frequent flooding; concentrated runoff	NOT SUITED
14C	Sowego loam	developed in local colluvium and residuum of materials derived from Triassic siltstone,	Watertable Depth (in.):	20 - 60	K Factor (subsoil):	0.24	Substratum: Moderate		from higher areas; intermittent high water	High water table Landscape position
		shale and conglomerate	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Moderate	FORESTRY (HARDWOOD)	table; low bearing capacity	Landscape position
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY HIGH	cupacity	
		Very deep, moderately well drained, yellowish-brown loamy soils with	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	POOR	
		intermittent high water tables in concave swales and along small	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	Frequent flooding; intermittent high water	NOT SUITED
15A	Seneca loam	drainageways; developed in recent colluvium and local wash from	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate		table; concentrated runoff from higher	High water table Landscape position
		crystalline and metamorphic uplands	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	areas; low bearing capacity when wet	Zanaseape postuon
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.				MODERATELY HIGH	capacity when wet	
		Very deep, moderately well drained, yellowish-brown loamy soils with	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR	
		intermittent high water tables in concave swales and along small	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	Frequent flooding; intermittent high water	NOT SUITED
15B	Seneca loam	drainageways; developed in recent colluvium and local wash from	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate		table; concentrated runoff from higher	High water table Landscape position
		crystalline and metamorphic uplands	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	areas; low bearing capacity when wet	Euroscape position
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.				MODERATELY HIGH	capacity when wet	
		Very deep, moderately well drained, yellowish-brown loamy soils with	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR	
		intermittent high water tables in concave swales and along small	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	Frequent flooding; intermittent high water	NOT SUITED
15C	Seneca loam	drainageways; developed in recent	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate		table; concentrated runoff from higher	High water table Landscape position
		crystalline and metamorphic uplands	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	areas; low bearing capacity when wet	Zanascape position
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.				MODERATELY HIGH	capacity when wet	
		Very deep, well drained, yellowish-	Slope (%)	0 - 2	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	₽∩∩₽	

MAP	. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		with intermittent high water tables in concave uplands and along small	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	Frequent flooding; intermittent high water	
16A	Meadowville loam	drainageways; developed in recent colluvium and local wash from acid	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		table; concentrated	NOT SUITED Landscape position
		rock materials	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	areas; low bearing capacity when wet	
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.				MODERATELY HIGH	capacity when wet	
		Very deep, well drained, yellowish- brown to reddish-brown loamy soils	Slope (%)	2 -7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR	
		with intermittent high water tables in concave uplands and along small	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	Frequent flooding; intermittent high water	
16B	Meadowville loam	drainageways; developed in recent colluvium and local wash from acid	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		table; concentrated runoff from higher	NOT SUITED Landscape position
		rock materials	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	areas; low bearing capacity when wet	
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.				MODERATELY HIGH	capacity when wet	
		Very deep, well drained, yellowish- brown to reddish-brown loamy soils	Slope (%)	7 - 14	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR	
		with intermittent high water tables in concave uplands and along small	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	Frequent flooding; intermittent high water	
16C	Meadowville loam	drainageways; developed in recent colluvium and local wash from acid	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		table; concentrated runoff from higher	NOT SUITED Landscape position
		rock materials	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	areas; low bearing capacity when wet	
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.				MODERATELY HIGH	capacity when wet	
		Very deep, well drained, brown	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	POOR	
		loamy soils in concave swales and along small drainageways; developed	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	Frequent flooding; intermittent high water	
17A	Middleburg loam	in recent colluvium and local wash from crystalline uplands	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		table; concentrated	NOT SUITED Landscape position
		from Crystainne upianus	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	areas; low bearing capacity when wet	
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.				HIGH	capacity when wet	
		Very deep, well drained, brown	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR	
		loamy soils in concave swales and along small drainageways; developed	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	Frequent flooding; intermittent high water	
17B	Middleburg loam	in recent colluvium and local wash from crystalline uplands	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		table; concentrated runoff from higher	NOT SUITED Landscape position
		nom crystainne upianus	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	areas; low bearing capacity when wet	
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.				HIGH	capacity when wet	
		Very deen, well drained, brown	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	P∩∩R	

	P. UNIT SYMBOL			1	General Character	istics		LAND	DEVELOPMENT I PROBLEM	-
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		loamy soils in concave swales and along small drainageways; developed	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	Frequent flooding; intermittent high water	
17C	Middleburg loam		Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		table; concentrated runoff from higher	NOT SUITED Landscape position
		from Crystannie upianus	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	areas; low bearing capacity when wet	
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.				HIGH	сарасну мнен мен	

	P. UNIT SYMBOL				General Character	istics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		TANKERVILLE	Slope (%)	2 -7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
		brown, coarse-loamy on undulating summits and gently sloping backslopes; 2- 10% rock outcrop and 0.1-3% stones	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		and/or boulders cover the surface; developed in residuum from granite, granite	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
18B	Tankerville– Purcellville	gneiss and granitic schist	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW	POOR Shallow to rock	POOR
102	Complex, very rocky	PURCELLVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Rock outcrop Stoniness	Shallow to rock
		Very deep, well drained, strong brown silty (Purcellville) soils on undulating	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
		summits and gently sloping backslopes; 2- 10% rock outcrop and 0.1-3% stones	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		and/or boulders cover the surface; developed in residuum from granite, granite	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		gneiss and granitic schist	Bearing Capacity:	Mod.				MODERATE		
		TANKERVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown, coarse-loamy on rolling summits	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
		and strongly sloping backslopes; 2-10% rock outcrop and 0.1-3% stones and/or	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		boulders cover the surface; developed in residuum from granite, granite gneiss and	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	DO O D	
18C	Tankerville– Purcellville	granitic schist	Bearing Capacity:	Mod.	Г ' Ш 1		Hard Bedrock: Impermeable	LOW	POOR Shallow to rock	POOR
	Complex, very rocky	PURCELLVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Rock outcrop Stoniness	Shallow to rock
		Very deep, well drained, strong brown silty	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
		soils on rolling summits and strongly sloping backslopes; 2-10% rock outcrop	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	TODUCTON		
		and 0.1-3% stones and/or boulders cover the surface; developed in residuum from granite, granite gneiss and granitic schist	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		g g	Bearing Capacity:	Mod.	Eugaion al Hazand			MODERATE		
		Moderately deep, well drained, strong	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
	T	brown, coarse-loamy soils on moderately steep backslopes; 2-10%	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	POOR	POOR
18D	Tankerville loam, very rocky	rock outcrop and 3-15% stones and/or boulders cover the surface;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	FOREGERY	Shallow to rock Steep slopes	Shallow to rock Steep slopes
		developed in residuum from granite, granite gneiss and granitic schist	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	Stoniness	- •
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I	-
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Moderately deep, well drained, strong	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		brown, coarse-loamy soils on steep backslopes; 2-10% rock outcrop and	(1n.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
18E	Tankerville loam, very rocky	1-20% stones and/or boulders cover the surface; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Very steep slopes Rock outcrops	Very steep slopes Rock outcrops
		from granite, granite gneiss and granitic schist	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	Stoniness	
			Bearing Capacity:	Mod.	F ' 111 1	Van	Hard Bedrock: Impermeable	LOW		
		Moderately deep, well drained, strong	Slope (%)	> 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		brown, coarse-loamy soils on very steep backslopes; 2-10% rock	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
18F	Tankerville loam, very rocky	outcrop and 1-20% stones and/or boulders cover the surface; developed	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Very steep slopes Rock outcrops	Verysteep slopes Rock outcrops
		in residuum from granite, granite gneiss and granitic schist	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	Stoniness	1
		0	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
		Moderately deep, well drained, strong brown, coarse-loamy soils on	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		undulating summits and gently sloping backslopes; 10 to 25% rock	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED	VERY POOR	Nom Gramma
19B	Tankerville-Rock outcrop complex	outcrops; loose stones and/or boulders cover 0 to 45% of the	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Rock outcrops Stoniness	NOT SUITED Rock outcrops
		surface,; developed in residuum from granite, granite gneiss and granitic	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
		schist	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
		Moderately deep, well drained, strong brown, coarse-loamy soils on rolling	• ' '	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		summits and strongly sloping backslopes; 10 to 25% rock	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED	VERY POOR	Nom dymmin
19C	Tankerville-Rock outcrop complex	outcrops; loose stones and/or boulders cover 0 to 45% of the	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Rock outcrops Stoniness	NOT SUITED Rock outcrops
		surface,; developed in residuum from granite, granite gneiss and granitic	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
		schist	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
		Moderately deep, well drained, strong		15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
	m 1 33 5 5	brown, coarse-loamy soils on moderately steep backslopes and 10		20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
19D	Tankerville-Rock outcrop complex	to 25% rock outcrops; loose stones and/or boulders cover 0 to 45% of	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	TODE CONT.	Rock outcrops Steep slopes	Rock outcrops Steep slopes
		the surface,; developed in residuum from granite, granite gneiss and	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	Stoniness	
		granitic schist	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Moderately deep, well drained, strong	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		brown, coarse-loamy soils on steep backslopes and 10 to 25% rock	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
19E	Tankerville-Rock outcrop complex	outcrop; 0-60% stones and/or boulders cover the surface; developed	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Rock outcrops Very steep slopes	Rock outcrops Very steep slopes
		in residuum from granite, granite gneiss and granitic schist	Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)	Stoniness	very steep stopes
		g g	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
		Moderately deep, well drained, strong	Slope (%)	> 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		brown, coarse-loamy soils on very steep backslopes and 10 to 25% rock	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
19F	Tankerville-Rock outcrop complex	outcrop; 0-60% stones and/or boulders cover the surface; developed	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Rock outcrops Very steep slopes	Rock outcrops Very steep slopes
		in residuum from granite, granite gneiss and granitic schist	Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)	Stoniness	, , ,
			Bearing Capacity:	Mod.	F ' 111 1		Hard Bedrock: Impermeable	LOW		
		TANKERVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong		20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		brown coarse-loamy soils on undulating summits and gently	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	TOPEGERY		
	T-1 - 11	sloping backslopes; 0.1 – 2% rock outcrop; developed in residuum from	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
20B	Tankerville – Purcellville	granite, schist and gneiss	Bearing Capacity:	Mod.	Erosional Hazard		Hard Bedrock: Impermeable	LOW	FAIR	MARGINAL Shallow to rock
	complex, Rocky	PURCELLVILLE	Slope (%)	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Very deep, well drained, strong	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		brown fine-silty soils on undulating summits and gently sloping	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	EODEGEDY		
		backslopes; 0.1 – 2% rock outcrop; developed in residuum from granite,	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		schist and gneiss	Bearing Capacity:	Mod.				MODERATE		

	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		TANKERVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		brown coarse-loamy soils rolling summits and strongly sloping	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		backslopes; $0.1 - 2\%$ rock outcrop; developed in residuum from granite,	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
20C	Tankerville – Purcellville	schist and gneiss	Bearing Capacity:	Mod.	F : 1W 1		Hard Bedrock: Impermeable	LOW	FAIR	MARGINAL
	complex, Rocky	PURCELLVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Very deep, well drained, strong	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		brown fine-silty soils (Purcellville) on rolling summits and strongly sloping backslopes; 0.1 – 2% rock	Watertable Depth (in.): Shrink-Swell	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	FORESTRY		
		outcrop; developed in residuum from granite, schist and gneiss	Potential:	low	Hydrologic Group:	В		(HARDWOOD)		
		granite, schist and gheiss	Bearing Capacity:	Mod.	Erosional Hazard			MODERATE		
		TANKERVILLE	Slope (%)	15 - 25	Potential:	High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown coarse-loamy soils on	Bedrock Depth (in.): Watertable Depth	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		moderately steep backslopes; 0.1 – 2% rock outcrop; developed in	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	FORESTRY		
	Tankerville –	residuum from granite, schist and	Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low Hard Bedrock:	(HARDWOOD)		
20D	Purcellville	gneiss	Bearing Capacity:	Mod.	Erosional Hazard		Impermeable	LOW	POOR Shallow to rock	POOR Shallow to rock
	complex, Rocky	PURCELLVILLE	Slope (%)	15 - 25	Potential:	High	Surface: Moderate	AGRICULTURE	Steep slopes	Steep slopes
		Very deep, well drained, strong	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		brown fine-silty soils on moderately steep backslopes; 0.1 – 2% rock	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	FOREGERY		
		outcrop; developed in residuum from granite, schist and gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	Erosional Hazard	Voru		MODERATE		
			Slope (%)	25 - 45	Potential:	Very High	Surface: Moderate	AGRICULTURE		
	Tankerville loam;	Moderately deep, well drained, strong brown, coarse- loamy soils on steep	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	VERY POOR	NOT SUITED Very
20E	rocky	backslopes; $0.1 - 2\%$ rock outcrop; developed in residuum from granite,	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	FORESTRY	Very steep slopes Shallow to rock	steep slopes Shallow to rock
		granite gneiss and granitic schist	Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low	(HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEN	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown loamy soils on nearly level	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME CROPLAND		
21A	Edneytown loam	summits and backslopes; developed in residuum from, augen gneiss,	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		GOOD	GOOD
		granite gneiss and granite	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown loamy soils on undulating	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME CROPLAND		
21B	Edneytown loam	summits and gently sloping backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		GOOD	GOOD
		from, augen gneiss, granite gneiss and granite	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown loamy soils on rolling summits	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
21C	Edneytown loam	and strongly sloping backslopes; developed in residuum from, augen	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		GOOD	GOOD
		gneiss, granite gneiss and granite	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown loamy soils on moderately	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE	FAIR Steep slopes	
21D	Edneytown loam	steep backslopes; developed in residuum from, augen gneiss, granite	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			MARGINAL Steep slopes
		gneiss and granite	Shrink-Swell Potential:	low	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		PURCELLVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, strong	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
		brown silty soils on broad summits and slight depressions developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		local colluvium and residuum from	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	FAIR	
22B	Purcellville - Swampoodle	g.u.iiii 100iii	Bearing Capacity:	Mod.				MODERATELY HIGH	Intermittent high water table; concentrated	POOR Intermittent high water
	complex	SWAMPOODLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	runoff from higher areas; low bearing	table Slow percolation
		Very deep, moderately well drained, brownish yellow loamy soils with	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND	capacity	
		intermittent high water tables on broad summits and slight	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate	FOREGERY		
		depressions; may have shrink-swell clay in subsoil; developed in local	Shrink-Swell Potential:	High	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
		colluvium and residuum from granitic rocks	Bearing Capacity:	low	Erosional Hazard			MODERATELY HIGH		
			Slope (%)	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, strong brown fine-silty soils on undulating	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
23B	Purcellville loam	summits and gently sloping backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	EODECEDY	GOOD	GOOD
		from granite, schist and gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	F			MODERATE		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, strong brown fine-silty soils on strongly	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
23C	Purcellville loam	sloping backslopes; developed in residuum from granite, schist and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	FOREGERY	GOOD	GOOD
		gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	Englished Hozond			MODERATE		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
	Purcellville loam;	Very deep, well drained, strong brown fine-silty soils on moderately	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE	EAD	EAID
23D3	gullied	steep backslopes; developed in residuum from granite, schist and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	EODECEDY	FAIR Steep Slopes	FAIR Steep slopes
		gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

	. UNIT SYMBOL				General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		EDGEMONT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
		brown loamy soils on undulating summits and gently sloping	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		backslopes; developed in residuum from meta-arkosic sandstone and	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
24B	Edgemont - Culpeper	meta-graywacke	Bearing Capacity:	Mod.				MODERATE	GOOD	MARGINAL
	Complex	CULPEPER	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		Slow percolation
		Very deep, well drained, red clayey	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
		soils on undulating summits and gently sloping backslopes; developed	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		in residuum from meta-arkosic sandstone and meta-graywacke	Shrink-Swell Potential:	low	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
		<i>.</i> ,	Bearing Capacity:	Mod.	F : 111			MODERATE		
		EDGEMONT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
		brown loamy soils on undulating summits and gently sloping	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	TO DUCKENY		
	T.I.	backslopes; developed in residuum from meta-arkosic sandstone and	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
24B3	Edgemont - Culpeper	meta-graywacke	Bearing Capacity:	Mod.	Erosional Hazard			MODERATE	GOOD	MARGINAL
	Complex, severely eroded	CULPEPER	Slope (%)	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE		Slow percolation
		Very deep, well drained, red clayey	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
		soils on undulating summits and gently sloping backslopes; developed	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	TO DUCKENY		
		in residuum from meta-arkosic sandstone and meta-graywacke	Shrink-Swell Potential:	low	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	Erosional Hazard			MODERATE		
		Warm data and darked and and and a	Slope (%)	7 - 15	Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown loamy soils on rolling summits and strongly sloping backslopes;	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		MARGINAL
24C	Edgemont loam	and strongly sloping backslopes; developed in residuum from meta- arkosic sandstone and meta-	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	EODECEDA	GOOD	Slow percolation
		arkosic sandstone and meta- graywacke	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

	P. UNIT SYMBOL				General Character	istics		LAND	DEVELOPMENT I	-
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown loamy soils on moderately	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		MARGINAL
24D	Edgemont loam	steep backslopes; developed in residuum from meta-arkosic	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		FAIR Steep slopes	Slow percolation Steep slopes
		sandstone and meta-graywacke	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		Steep slopes
			Bearing Capacity:	Mod.				MODERATE		

	P. UNIT SYMBOL				General Character	ristics		LAND	DEVELOPMENT I PROBLEN	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		HAZEL	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, excessively well	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
		drained, yellowish-brown coarse- loamy soils on undulating summits	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		and gently sloping backslopes; developed in residuum from arkosic	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	FORESTRY (HARDWOOD)		
25B	Hazel - Edgemont	sandstone and meta-graywacke	Bearing Capacity:	Mod.				MODERATELY LOW	FAIR	MARGINAL
2313	Complex	EDGEMONT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
		brown loamy soils on undulating summits and gently sloping	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		backslopes; developed in residuum from arkosic sandstone and meta-	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		graywacke	Bearing Capacity:	Mod.				MODERATE		
		HAZEL	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, excessively well drained, yellowish-brown coarse-	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
		loamy soils on rolling summits and strongly sloping backslopes; 0.1 to	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		2% rock outcrop; developed in residuum from arkosic sandstone and	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	FORESTRY (HARDWOOD)		
25C	Hazel - Edgemont	meta-graywacke	Bearing Capacity:	Mod.				LOW	FAIR	MARGINAL
	Complex; rocky	EDGEMONT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		brown loamy soils on rolling summits and strongly sloping backslopes; 0.1	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		to 2% rock outcrop; developed in residuum from arkosic sandstone and	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		meta-graywacke	Bearing Capacity:	Mod.				MODERATE		

	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		HAZEL	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, excessively well drained, yellowish-brown coarse-	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
		loamy soils on rolling summits and strongly sloping backslopes with	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		gullies; developed in residuum from arkosic sandstone and meta-	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	FORESTRY (HARDWOOD)		
25C3	Hazel - Edgemont	graywacke	Bearing Capacity:	Mod.				LOW	POOR Shallow to rock	POOR Shallow to rock
2303	Complex; gullied	EDGEMONT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Gullies	Gullies
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		brown loamy soils on rolling summits and strongly sloping backslopes with	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		gullies; developed in residuum from arkosic sandstone and meta-	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		graywacke	Bearing Capacity:	Mod.				MODERATE		
		Moderately deep, excessively well	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		drained, yellowish-brown coarse- loamy soils on narrow summits and	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	POOR	POOR
25D	Hazel loam; rocky	moderately steep backslopes; 0.1 to 2% rock outcrop; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Shallow to rock Steep slopes	Shallow to rock Steep slopes
		residuum from arkosic sandstone and meta-graywacke	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	FORESTRY (HARDWOOD)	Rock outcrop	Rock outcrop
		<i>- - - - - - - - - -</i>	Bearing Capacity:	Mod.				LOW		
		HAZEL	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Moderately deep, excessively well	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
		drained, yellowish-brown coarse- loamy soils on moderately steep	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		backslopes with gullies; developed in residuum from arkosic sandstone and	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	FORESTRY (HARDWOOD)		
25D3	Hazel - Edgemont	meta-graywacke	Bearing Capacity:	Mod.				LOW	POOR Shallow to rock	POOR Shallow to rock
2020	Complex; gullied	EDGEMONT	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	Steep slopes Gullies	Steep slopes Gullies
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
		brown loamy soils on moderately steep backslopes with gullies;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		developed in residuum from arkosic sandstone and meta-graywacke	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I	
1	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Moderately deep, excessively well drained, yellowish-brown coarse-	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
25E	Hazel loam; rocky	loamy soils on steep backslopes, developed in residuum from arkosic	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Very steep Slopes Shallow to rock	Very steep slopes Shallow to rock
		sandstone and meta-graywacke	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	FORESTRY (HARDWOOD)		Silano W to Took
			Bearing Capacity:	Mod.				LOW		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey soils on undulating summits and	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
26B	Culpeper fine sandy loam	gently sloping backslopes; developed in residuum from meta-arkosic	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		GOOD	MARGINAL Slow percolation
		sandstone and meta-graywacke	Shrink-Swell Potential:	low	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey soils on rolling summits and strongly	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
26C	Culpeper fine sandy loam	sloping backslopes; developed in residuum from meta-arkosic	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		GOOD	MARGINAL Slow percolation
		sandstone and meta-graywacke	Shrink-Swell Potential:	low	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
		FAUQUIER	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
		soils on undulating summits and gently sloping backslopes; developed	Watertable Depth (in.):	> 60	K Factor (subsoil):	0.28	Substratum: Moderate			
		in residuum from sheared granite or granodiorite intruded by dikes of	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
28B	Fauquier and Eubanks	greenstone	Bearing Capacity:	Mod.				MODERATELY HIGH	GOOD	MARGINAL
200	Complex	EUBANKS	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	0002	Slow percolation
		Very deep, well drained, red loamy	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
		soils on undulating summits and gently sloping backslopes; developed	Watertable Depth (in.):	> 60	K Factor (subsoil):	0.32	Substratum: Moderate			
		in residuum from sheared granite or granodiorite intruded by dikes of	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		greenstone	Bearing Capacity:	Mod.				MODERATELY HIGH		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I	
1	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		FAUQUIER	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
		soils on rolling summits and strongly sloping backslopes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		residuum from sheared granite or granodiorite intruded by dikes of	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
28C	Fauquier and Eubanks	greenstone	Bearing Capacity:	Mod.				MODERATELY HIGH	GOOD	MARGINAL
200	Complex	EUBANKS	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	ОООД	Slow percolation
		Very deep, well drained, red loamy	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
		soils on rolling summits and strongly sloping backslopes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
		residuum from sheared granite or granodiorite intruded by dikes of	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		greenstone	Bearing Capacity:	Mod.				MODERATE	<u>D)</u>	
		FAUQUIER	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		soils on moderately steep backslopes; developed in residuum from sheared	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		granite or granodiorite intruded by dikes of greenstone	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
28D	Fauquier and Eubanks	discourse of greenstone	Bearing Capacity:	Mod.				MODERATELY HIGH	FAIR Steep slopes	MARGINAL Steep slopes
202	Complex	EUBANKS	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		Slow percolation
		Very deep, well drained, red loamy	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		soils on moderately steep backslopes; developed in residuum from sheared	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
		granite or granodiorite intruded by dikes of greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		dives of grounding	Bearing Capacity:	Mod.				MODERATELY HIGH		

	P. UNIT SYMBOL				General Character	istics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		EDNEYTOWN	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown loamy soil on undulating	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE		
		summits and gently sloping backslopes in dissected landscapes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		developed in residuum from coarse- textured granite and granite gneiss;	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
30B	Edneytown - Chestnut	0.1 to 2 percent rock outcrop	Bearing Capacity:	Mod.				MODERATELY LOW	FAIR	MARGINAL
301	Complex; rocky	CHESTNUT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Moderately deep, well drained dark brown coarse-loamy soil on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	PRIME PASTURE		
		undulating summits and gently sloping backslopes in dissected	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		landscapes; developed in residuum from coarse-textured granite and	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: low	FORESTRY (HARDWOOD)		
		granite gneiss; 0.1 to 2 percent rock outcrop	Bearing Capacity:	Mod.				LOW)	
		EDNEYTOWN	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown loamy soil on rolling summits	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE		
		and strongly sloping backslopes in dissected landscapes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		residuum from coarse-textured granite and granite gneiss; 0.1 to 2	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
30C	Edneytown - Chestnut	percent rock outcrop	Bearing Capacity:	Mod.				MODERATELY LOW	FAIR	MARGINAL
	Complex; rocky	CHESTNUT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock Y	Shallow to rock
		Moderately deep, well drained dark brown coarse-loamy soil on rolling	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
		summits and strongly sloping backslopes in dissected landscapes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		developed in residuum from coarse- textured granite and granite gneiss;	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: low	FORESTRY (HARDWOOD)		
		0.1 to 2 percent rock outcrop	Bearing Capacity:	Mod.				LOW		

	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		EDNEYTOWN	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown loamy soil on moderately	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
		steep backslopes in dissected landscapes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		from coarse-textured granite and granite gneiss; 0.1 to 2 percent rock	Shrink-Swell Potential:	low	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
30D	Edneytown - Chestnut	outcrop	Bearing Capacity:	Mod.				MODERATELY LOW	FAIR Shallow to rock	MARGINAL Shallow to rock
30D	Complex; rocky	CHESTNUT	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	Steep slopes	Steep slopes
		Moderately deep, well drained dark brown coarse-loamy soil on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
		moderately steep backslopes in dissected landscapes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		residuum from coarse-textured granite and granite gneiss; 0.1 to 2	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	FORESTRY (HARDWOOD)		
		percent rock outcrop	Bearing Capacity:	Mod.				LOW		
		PURCELLVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, strong	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
		brown, fine-silty soils on undulating summits and gently sloping	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		backslopes; developed in residuum from granite, granite gneiss and	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
31B	Purcellville – Tankerville	granitic schist	Bearing Capacity:	Mod.				MODERATELY LOW	FAIR	MARGINAL
315	Complex	TANKERVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	RE Shallow to rock	Shallow to rock
		Moderately deep, well drained, strong	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		brown, coarse-loamy soils on undulating summits and gently	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		sloping backslopes; developed in residuum from granite, granite gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
		and granitic schist	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I	-
1	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		PURCELLVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, strong	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
		brown, fine-silty soils on strongly sloping backslopes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		residuum from granite, granite gneiss and granitic schist	Shrink-Swell Potential:	low	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
31C	Purcellville – Tankerville	and grantee senist	Bearing Capacity:	Mod.				MODERATELY LOW	FAIR	MARGINAL
310	Complex	TANKERVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Moderately deep, well drained, strong	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		brown, coarse-loamy soils on strongly sloping backslopes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		developed in residuum from granite, granite gneiss and granitic schist	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	England Hand		Hard Bedrock: Impermeable	LOW		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	D: 11 ''.	Moderately deep, well drained, yellowish-red silty soils on gently	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	FAID	DOOD
33B	Brinklow silt loam	sloping backslopes and convex undulating summits; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate	TODUCTON	FAIR Shallow to rock	POOR Shallow to rock
		residuum from sericite and biotite schist; gneiss and phyllites.	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	Farriand Hannel		Hard Bedrock: Impermeable	MODERATELY LOW		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Brinklow silt	Moderately deep, well drained, yellowish-red silty soils on strongly	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	EAR	DOOD
33B3	loam; Severely eroded	sloping sideslopes that have been severely eroded; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		FAIR Shallow to rock	POOR Shallow to rock
		residuum from sericite and biotite schist; gneiss and phyllites.	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	F ' 111 1		Hard Bedrock: Impermeable	MODERATELY LOW		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Daimld:11	Moderately deep, well drained, yellowish-red silty soils on strongly	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	EAD	noon
33C	Brinklow silt loam	sloping sideslopes; developed in residuum from sericite and biotite	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate	FOREGREY	FAIR Shallow to rock	POOR Shallow to rock
		schist; gneiss and phyllites.	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Brinklow silt	Moderately deep, well drained, yellowish-red silty soils on strongly	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
33C3	loam; Severely eroded	sloping sideslopes that have been severely eroded; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		FAIR Shallow to rock	POOR Shallow to rock
	croded	residuum from sericite and biotite schist; gneiss and phyllites.	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
	D: 11 %	Moderately deep, well drained, yellowish-red silty soils on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE	POOR	POOR
33D	Brinklow silt loam	moderately steep backslopes; developed in residuum from sericite	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate	FOREGERY	Shallow to rock Steep slopes	Shallow to rock Steep slopes
		and biotite schist; gneiss and phyllites.	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	Erosional Hazard		Hard Bedrock: Impermeable	MODERATELY LOW		
		Moderately deep, well drained,	Slope (%) Bedrock Depth	15 - 25	Potential:	High	Surface: Moderate	AGRICULTURE		
	Brinklow silt	yellowish-red silty soils on moderately steep backslopes that	(in.): Watertable Depth	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE	POOR	POOR
33D2	loam; Moderately eroded	have been moderately eroded; developed in residuum from sericite	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.32	Substratum: Moderate Weathered Bedrock:	FORESTRY	Shallow to rock Steep slopes	Shallow to rock Steep slopes
		and biotite schist; gneiss and phyllites.	Potential:	low	Hydrologic Group:	В	Impermeable Hard Bedrock:	(HARDWOOD) MODERATELY		
			Bearing Capacity:	Mod.	Erosional Hazard		Impermeable	LOW		
		Moderately deep, well drained,	Slope (%) Bedrock Depth	15 - 25	Potential:	High	Surface: Moderate	AGRICULTURE SECONDARY		
	Brinklow silt	yellowish-red silty soils on moderately steep backslopes that	(in.): Watertable Depth	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PASTURE	POOR	POOR
33D3	loam; Severely eroded	have been severely eroded; developed in residuum from sericite and biotite	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.32	Substratum: Moderate Weathered Bedrock:	FORESTRY	Shallow to rock Steep slopes	Shallow to rock Steep slopes
		schist; gneiss and phyllites.	Potential:	low	Hydrologic Group:	В	Impermeable Hard Bedrock:	(HARDWOOD)		
			Bearing Capacity:	Mod.	Erosional Hazard		Impermeable	LOW		
			Slope (%) Bedrock Depth	25 - 45	Potential:	High	Surface: Moderate	AGRICULTURE SECONDARY		
22-	Brinklow silt	Moderately deep, well drained, yellowish-red silty soils on steep	(in.): Watertable Depth	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PASTURE	VERY POOR	NOT SUITED
33E	loam	backslopes; developed in residuum from sericite and biotite schist;	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.32	Substratum: Moderate Weathered Bedrock:	FORESTRY	Shallow to rock Very steep slopes	Shallow to rock Very steep slopes
		gneiss and phyllites.	Potential:	low	Hydrologic Group:	В	Impermeable Hard Bedrock:	(HARDWOOD)		
			Bearing Capacity:	Mod.			Impermeable	LOW		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	25 - 45	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
	Brinklow silt	Moderately deep, well drained, yellowish-red silty soils on steep	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE	VERY POOR	NOT SUITED
33E3	loam; Severely eroded	backslopes; developed in residuum from sericite and biotite schist;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Shallow to rock Very steep slopes	Shallow to rock Very steep slopes
	eroded	gneiss and phyllites.	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	very steep stopes	very steep slopes
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- red clayey soils on undulating	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	PRIME CROPLAND		
34B	Yellowbottom loam	summits and gently sloping backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low		GOOD	MARGINAL Slow percolation
		from sericite, biotite schist and meta- monzonite granite	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- red clayey soils on strongly sloping	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND		
34C	Yellowbottom loam	backslopes; developed in residuum from sericite, biotite schist and meta-	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low		GOOD	MARGINAL Slow percolation
		monzonite granite	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- red clayey soils on moderately steep	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	PRIME PASTURE		MARGINAL
34D	Yellowbottom loam	backslopes in dissected uplands; developed in residuum from sericite	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low		FAIR Steep slopes	Slow percolation Steep slopes
		and biotite schist and gneiss	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		and makes
			Bearing Capacity:	low				MODERATE		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey soils on undulating summits and	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
35B	Penhook silt loam	gently sloping backslopes in dissected uplands; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		GOOD	MARGINAL Slow percolation
		residuum from sericite schist, phyllonite, and phyllite	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		

	. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
:	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey soils strongly sloping backslopes in	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
35C	Penhook silt loam	dissected uplands; developed in residuum from sericite schist,	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		GOOD	MARGINAL Slow percolation
		phyllonite, and phyllite	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Penhook silt	Very deep, well drained, red clayey soils strongly sloping backslopes in	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
35C3	loam; Severely eroded	dissected uplands that have been severely eroded; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		GOOD	MARGINAL Slow percolation
	croucu	residuum from sericite schist, phyllonite, and phyllite	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey soils moderately steep backslopes in	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		MARGINAL
35D	Penhook silt loam	dissected uplands; developed in residuum from sericite schist,	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		FAIR Steep slopes	Steep slopes Slow percolation
		phyllonite, and phyllite	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		blow percondion
			Bearing Capacity:	low				MODERATE		
		Very deep, moderately well drained,	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR	
		brownish-yellow loamy soils with intermittent high water tables on broad summits and slight depressions; shrink-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND	Occasional ponding; intermittent high water	
38A	Swampoodle loam	swell clays may occur in lower subsoil of some soil profiles; developed in local	(1n.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate		table; concentrated runoff from higher	NOT SUITED High water table
		colluvium and residuum from granitic rocks	Shrink-Swell Potential:	High	Hydrologic Group:	С		FORESTRY (HARDWOOD)	areas; possible shrink- swell clays	
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY HIGH	swell elays	
		Very deep, moderately well drained, mottled brownish-yellow and strong brown	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		loamy soils with intermittent high water tables on broad summits and slight	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND	VERY POOR	
38B	Swampoodle loam	depressions; may have shrink-swell clay in subsoil; developed in local colluvium and	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate		Intermittent high water table; Possible shrink-	NOT SUITED High water table
		residuum from granitic rocks	Shrink-Swell Potential:	High	Hydrologic Group:	С		FORESTRY (HARDWOOD)	swell clays	
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY HIGH		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Deep, well drained, strong brown silty soils on undulating summits and	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Monderate	PRIME CROPLAND		
40B	Myersville silt loam	gently sloping backslopes; developed in residuum from greenstone and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		FAIR Shallow to rock	MARGINAL Shallow to rock
		chloritic schist	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	Farriage 1 Harris			MODERATELY HIGH		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Myersville silt	Deep, well drained, strong brown silty soils on rolling summits and	Bedrock Depth (in.): Watertable Depth	40 - 60	K Factor (surface):	0.37	Subsoil: Monderate	SECONDARY CROPLAND	FAIR	MARGINAL
40C	loam	strongly sloping backslopes; developed in residuum from	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.32	Substratum: Moderate Weathered Bedrock:	FORESTRY	Shallow to rock	Shallow to rock
		greenstone and chloritic schist	Potential:	low	Hydrologic Group:	В	Impermeable	(HARDWOOD) MODERATELY		
			Bearing Capacity:	Mod.	Erosional Hazard			HIGH		
		Deep, well drained, strong brown	Slope (%) Bedrock Depth	7 - 15	Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Myersville silt	silty soils on rolling summits and strongly sloping backslopes that has	(in.): Watertable Depth	40 - 60	K Factor (surface):	0.37	Subsoil: Monderate	PRIME PASTURE	FAIR	MARGINAL
40C3	loam; Severely eroded	been severely eroded; developed in residuum from greenstone and	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.32	Substratum: Moderate Weathered Bedrock:	FORESTRY	Shallow to rock	Shallow to rock
		chloritic schist	Potential:	low	Hydrologic Group:	В	Impermeable	(HARDWOOD)		
			Bearing Capacity:	Mod.	Erosional Hazard			MODERATE		
		Deep, well drained, strong brown	Slope (%) Bedrock Depth	15 - 25	Potential:	High	Surface: Moderate	AGRICULTURE		
	Myersville silt	silty soils on moderately steep backslopes; stones cover 0.02 – 0.1%	(in.): Watertable Depth	40 - 60	K Factor (surface):	0.37	Subsoil: Monderate	PRIME PASTURE	POOR	MARGINAL
40D	loam, stony	of the soil surface; developed in residuum from greenstone and	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.32	Substratum: Moderate Weathered Bedrock:	FORESTRY	Steep slopes Shallow to rock	Steep slopes Shallow to rock
		chloritic schist	Potential:	low	Hydrologic Group:	В	Impermeable	(HARDWOOD)		
			Bearing Capacity:	Mod.	Erosional Hazard	Very		MODERATE		
		Moderately deep, well drained, strong	Slope (%) Bedrock Depth	25 - 45	Potential:	High	Surface: Moderate	AGRICULTURE		
405		brown silty soils on steep backslopes; with cobbles and stones ranging from	(in.): Watertable Depth	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
40E	stony	.01 – 0.1% on the soil surface; developed in residuum from	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.32	Substratum: Moderate Weathered Bedrock:	FORESTRY	Very steep slopes Shallow to rock	Very steep slopes Shallow to rock
		greenstone and chloritic schist	Potential:	low	Hydrologic Group:	С	Impermeable Hard Bedrock:	(HARDWOOD) MODERATELY		
			Bearing Capacity:	Mod.			Impermeable	LOW		

	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		ALANTHUS	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish red silty	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
		soils on undulating summits and gently sloping backslopes; surface cover is represented by .05 – 4% stones, 0 – 4%	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
		cobbles and 0 – 0.1% rock outcrop; developed in residuum from greenstone and	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
41B	Alanthus – Pignut complex;	chloritic schist.	Bearing Capacity:	Mod.				MODERATE	FAIR Shallow to rock	MARGINAL
410	very stony	PIGNUT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Stoniness	Shallow to rock
		Moderately deep, well drained, strong	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
		brown silty soils on undulating summits and gently sloping backslopes; surface cover is represented by .05 – 4% stones, 0 – 4%	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
		cobbles and 0 – 0.1% rock outcrop; developed in residuum from greenstone and	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		chloritic schist.	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE		
		ALANTHUS	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish red silty soils on strongly sloping	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
		backslopes; surface cover is represented by 0.1 – 3% stones, 0 –	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
		3% cobbles and 0 – 0.01% rock outcrop; developed in residuum from	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
41C	Alanthus – Pignut complex;	greenstone and chloritic schist.	Bearing Capacity:	Mod.				MODERATE	FAIR Shallow to rock	MARGINAL
1	very stony	PIGNUT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock Stoniness RY E	Shallow to rock
		Moderately deep, well drained, strong brown silty soils on strongly sloping	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
		backslopes; surface cover is represented by 0.1 – 3% stones, 0 –	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.32	Substratum: Moderate			
		3% cobbles and 0 – 0.01% rock outcrop; developed in residuum from	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		greenstone and chloritic schist.	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE		

	. UNIT SYMBOL				General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		PIGNUT	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown silty soils on moderately steep	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
		backslopes; surface cover is represented by 3 – 15% stones, 0 –	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
	n:	3% cobbles and 0 – 0.01% rock outcrop; developed in residuum from	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	DOOD	
41D	Pignut – Alanthus	greenstone and chloritic schist	Bearing Capacity:	Mod.	Erosional Hazard		Hard Bedrock: Impermeable	MODERATELY LOW	POOR Steep slopes	POOR Steep slopes
	complex, extremely stony	ALANTHUS	Slope (%)	15 - 25	Potential:	High	Surface: Moderate	AGRICULTURE	Shallow to rock Stoniness	Shallow to rock
		Very deep, well drained, yellowish red silty soils on moderately steep	Bedrock Depth (in.): Watertable Depth	> 60	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
		backslopes; surface cover is represented by 3 – 15% stones, 0 –	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.32	Substratum: Moderate	FORESTRY		
		3% cobbles and $0 - 0.01%$ rock outcrop; developed in residuum from	Potential:	low	Hydrologic Group:	В		(HARDWOOD) MODERATELY		
		greenstone and chloritic schist	Bearing Capacity:	Mod.	Erosional Hazard	Very		LOW		
		Moderately deep, well drained, strong	Slope (%) Bedrock Depth	25 - 45	Potential:	High	Surface: Moderate	AGRICULTURE		
	Pignut silt loam,	brown silty soils on steep backslopes; surface cover is represented by 3 –	(in.): Watertable Depth	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED	VERY POOR Very steep slopes	NOT SUITED
41E	extremely stony	15% stones, $0-3%$ cobbles and $0-0.01%$ rock outcrop; developed in	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.32	Substratum: Moderate Weathered Bedrock:	FORESTRY	shallow to rock Stoniness	Very steep slopes Shallow to rock
		residuum from greenstone and chloritic schist	Potential:	low	Hydrologic Group:	С	Impermeable Hard Bedrock:	(HARDWOOD) MODERATELY	Stofffiess	
			Bearing Capacity:	Mod.	Erosional Hazard		Impermeable	LOW		
		Moderately deep, well drained, strong brown silty soils and 10 – 25% rock	Slope (%) Bedrock Depth	7 - 15	Potential:	Mod.	Surface: Moderate	AGRICULTURE SECONDARY		
	Pignut - Rock	outcrop on strongly sloping backslopes; surface cover is	(in.): Watertable Depth	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PASTURE	POOR	NOT SUITED
42C	Outcrop Complex	represented by 1 – 15% cobbles, 3 – 25% stones, and 0 – 20% boulders;	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.32	Substratum: Moderate Weathered Bedrock:	FORESTRY	Rock outcrops Shallow to rock	Rock outcrop Shallow to rock
		developed in residuum from greenstone and chloritic schist	Potential:	low	Hydrologic Group:	С	Impermeable Hard Bedrock:	(HARDWOOD) MODERATELY		
		8	Bearing Capacity:	Mod.	Erosional Hazard		Impermeable	LOW		
		Moderately deep, well drained, strong brown silty soils and 15 – 25% rock	Slope (%) Bedrock Depth	15 - 25	Potential:	High	Surface: Moderate	AGRICULTURE SECONDARY		
405	Pignut - Rock	outcrop on moderately steep backslopes; surface cover is	(in.): Watertable Depth	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PASTURE	POOR Rock outcrops	NOT SUITED Rock outcrop
42D	Outcrop Complex	represented by $0 - 15\%$ cobbles, $3 - 25\%$ stones, and $0 - 20\%$ boulders;	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.32	Substratum: Moderate Weathered Bedrock:	FORESTRY	Steep slopes Shallow to rock	Steep slopes Shallow to rock
		developed in residuum from greenstone and chloritic schist	Potential:	low	Hydrologic Group:	С	Impermeable Hard Bedrock:	(HARDWOOD) MODERATELY		
		<u> </u>	Bearing Capacity:	Mod.			Impermeable	LOW		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL FI	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Moderately deep, well drained, strong	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
	Pignut - Rock	brown silty soils and 15 – 25% rock outcrop on steep backslopes; surface	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
42E	Outcrop Complex	cover is represented by $0 - 15\%$ cobbles, $3 - 25\%$ stones, and $0 -$	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Rock outcrops Very steep slopes	Rock outcrop Very steep slopes
	2 s .	20% boulders; developed in residuum from greenstone and	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	Shallow to rock	Shallow to rock
		chloritic schist	Bearing Capacity:	Mod.	F ' 1H 1		Hard Bedrock: Impermeable	MODERATELY LOW		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Alanthus silt	Very deep, well drained, yellowish- red silty soils on undulating summits	Bedrock Depth (in.): Watertable Depth	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
43B	loam	and gently sloping backslopes; developed in residuum from	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.32	Substratum: Moderate	FORESTRY	GOOD	GOOD
		greenstone and chloritic schist	Potential:	low	Hydrologic Group:	В		(HARDWOOD)		
<u> </u>			Bearing Capacity:	Mod.	Erosional Hazard			HIGH		
			Slope (%) Bedrock Depth	7 - 15	Potential:	Mod.	Surface: Moderate	AGRICULTURE SECONDARY		
120	Alanthus silt	Very deep, well drained, yellowish- red silty soils on strongly sloping	(in.): Watertable Depth	> 60	K Factor (surface):	0.37	Subsoil: Moderate	CROPLAND	goop	9005
43C	loam	backslopes; developed in residuum from greenstone and chloritic schist	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.32	Substratum: Moderate	FORESTRY	GOOD	GOOD
			Potential:	low Mod.	Hydrologic Group:	В		(HARDWOOD) HIGH		
			Bearing Capacity: Slope (%)	7 - 15	Erosional Hazard		Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish-	Bedrock Depth	> 60	Potential:	Mod.	Subsoil: Moderate	PRIME PASTURE		
43C3	Alanthus silty clay loam;	red silty soils on strongly sloping backslopes that have been severely	(in.): Watertable Depth	> 40	K Factor (surface):	0.37	Substratum: Moderate		GOOD	GOOD
	severely eroded	eroded; developed in residuum from greenstone and chloritic schist	(in.): Shrink-Swell Potential:	low	K Factor (subsoil): Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	, ,			HIGH		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
43D	Alanthus silt loam	red silty soils on moderately steep backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		FAIR Steep slopes	MARGINAL Steep slopes
		from greenstone and chloritic schist	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		

	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
	Alanthus siltu	Very deep, well drained, yellowish- red silty soils on moderately steep	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
43D3	Alanthus silty clay loam; severely eroded	backslopes that have been severely eroded; developed in residuum from	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		FAIR Steep slopes	MARGINAL Steep slopes
	severely eroded	greenstone and chloritic schist	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
			Slope (%)	25 - 45	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
43E	Alanthus silt loam	red silty soils on moderately steep backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		POOR Very steep slopes	NOT SUITED Very steep slopes
		from greenstone and chloritic schist	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey soils on undulating summits and	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
45B	Fauquier silt loam	gently sloping backslopes; developed in residuum from massive greenstone	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		GOOD	MARGINAL Slow percolation
		and chloritic schist	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Fauquier silty	Very deep, well drained, red clayey soils on undulating summits and	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
45B3		gently sloping backslopes that have been severely eroded; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		GOOD	MARGINAL Slow percolation
	,	residuum from massive greenstone and chloritic schist	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	F '3'	Very deep, well drained, red clayey	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		MADCDIAL
45C	Fauquier silt loam	soils on strongly sloping backslopes; developed in residuum from massive	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	FOREGREY	GOOD	MARGINAL Slow percolation
		greenstone and chloritic schist	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		

MAF	. UNIT SYMBOL			•	General Character	ristics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Fauquier silty	Very deep, well drained, red clayey soils on strongly sloping backslopes	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
45C3	clay loam;	that have been severely eroded; developed in residuum from massive	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		GOOD	MARGINAL Slow percolation
	severely eloded	greenstone and chloritic schist	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
	Eiil4	Very deep, well drained, red clayey	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE	EAID	MARGINAL
45D	Fauquier silt loam	soils on moderately steep backslopes; developed in residuum from massive	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	FOREGERY	FAIR Steep slopes	Steep slopes Slow percolation
		greenstone and chloritic schist	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	Erosional Hazard			HIGH		
			Slope (%)	15 - 25	Potential:	High	Surface: Moderate	AGRICULTURE		
	Fauquier silty	Very deep, well drained, red clayey soils on moderately steep backslopes	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	FAIR	MARGINAL
45D3	clay loam; severely eroded	that have been severely eroded; developed in residuum from massive	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	EODEGEDY	Steep slopes	Steep slopes Slow percolation
		greenstone and chloritic schist	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD) MODERATELY		
			Bearing Capacity:	Mod.	Erosional Hazard			HIGH		
		ELIOAK	Slope (%)	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, micaceous, dark red clayey soils on undulating	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
		summits and gently sloping backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	FORESTRY		
		from micaceous acid crystalline rock and chloritic schist	Shrink-Swell Potential:	low	Hydrologic Group:	С		(HARDWOOD) MODERATELY		
47B	Elioak - Fauquier complex		Bearing Capacity:	low	Erosional Hazard			HIGH	GOOD	MARGINAL Slow percolation
	complex	FAUQUIER	Slope (%)	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE PRIME	URE ID	Slow percolation
		Very deep, well drained, red clayey	Bedrock Depth (in.): Watertable Depth	> 60	K Factor (surface):	0.32	Subsoil: Moderate	CROPLAND		
		soils on undulating summits and gently sloping backslopes; developed	(in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	FORESTRY		
		in residuum from micaceous acid crystalline rock and chloritic schist	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		(HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		

	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		ELIOAK	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, micaceous,	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
		dark red clayey soils on rolling summits and strongly sloping	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		backslopes; developed in residuum from micaceous acid crystalline rock	Shrink-Swell Potential:	low	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
47C	Elioak - Fauquier	and chloritic schist	Bearing Capacity:	low				MODERATELY HIGH	GOOD	MARGINAL
470	complex	FAUQUIER	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	ОООД	Slow percolation
		Very deep, well drained, red clayey	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
		soils on rolling summits and strongly sloping backslopes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		residuum from micaceous acid crystalline rock and chloritic schist	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)	-	
		erystamme rock and emornic semst	Bearing Capacity:	Mod.				HIGH		
		ELIOAK	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, micaceous,	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		dark red clayey soils on rolling summits and strongly sloping	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		backslopes; developed in residuum from micaceous acid crystalline rock	Shrink-Swell Potential:	low	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
47C3	Elioak - Fauquier	and chloritic schist	Bearing Capacity:	low				MODERATELY HIGH	GOOD	MARGINAL
1703	C3 Complex; severely eroded	FAUQUIER	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	0002	Slow percolation
		Very deep, well drained, red clayey	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		soils on rolling summits and strongly sloping backslopes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		residuum from micaceous acid crystalline rock and chloritic schist	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		

	P. UNIT SYMBOL				General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		ELIOAK	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, micaceous,	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		yellowish-red clayey soils on moderately steep backslopes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		developed in residuum from micaceous acid rocks.	Shrink-Swell Potential:	low	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
47D	Elioak - Fauquier		Bearing Capacity:	low				MODERATELY HIGH	FAIR	MARGINAL Steep slopes
4/10	Complex	FAUQUIER	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	Steep slope	Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		Very deep, well drained, red clayey soils on moderately steep backslopes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		developed in residuum from greenstone.	Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		
		FLETCHERVILLE	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		Deep, moderately well drained, light	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	PRIME CROPLAND		
		yellowish-brown clayey soils in saddles and heads of drainageways;	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
		developed in residuum from greenstone schist	Shrink-Swell Potential:	High	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
48A	Fletcherville – Myersville	greenstone semst	Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY HIGH	POOR Intermittent high water	POOR High water table
70A	Complex	MYERSVILLE	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	table; high shrink-swell clays occur locally	Landscape position
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Monderate	PRIME CROPLAND		
		Deep, well drained, strong brown silty soils in saddles and heads of	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
		drainageways; developed in residuum from greenstone schist	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		

	. UNIT SYMBOL				General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		FLETCHERVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Deep, moderately well drained, light	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	PRIME CROPLAND		
		yellowish-brown clayey soils in saddles and heads of drainageways;	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
		developed in residuum from greenstone schist.	Shrink-Swell Potential:	High	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
48B	Fletcherville – Myersville	g	Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY HIGH	POOR Intermittent high water	POOR High water table
.02	Complex	MYERSVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	table; high shrink-swell clays occur locally	Landscape position
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Monderate	PRIME CROPLAND		
		Deep, well drained, strong brown silty soils in saddles and heads of	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
		drainageways; developed in residuum from greenstone schist.	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
		MYERSVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Monderate	SECONDARY CROPLAND		
		Deep, well drained, strong brown silty soils on strongly sloping	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
		backslopes; developed in residuum from greenstone schist.	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	200	
48C	Myersville - Fletcherville		Bearing Capacity:	Mod.	F ' 111 1			MODERATELY HIGH	POOR Intermittent high water	POOR
	Complex	FLETCHERVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	table; high shrink-swell clays occur locally	High water table
		Deep, moderately well drained, light	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND		
		yellowish-brown clayey soils on strongly sloping backslopes;	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low	nonverne:		
		developed in residuum from greenstone schist	Shrink-Swell Potential:	High	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		Ü	Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY HIGH		

	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		MYERSVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Deep, well drained, strong brown	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Monderate	PRIME PASTURE		
		silty soils on strongly sloping backslopes that have been severely	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
		eroded; developed in residuum from greenstone schist.	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
48C3	Myersville - Fletcherville	greenstone semst.	Bearing Capacity:	Mod.				MODERATE	POOR Intermittent high water	POOR
4003	Complex; severely eroded	FLETCHERVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	table; high shrink-swell clays occur locally	High water table
		Deep, moderately well drained, light	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	PRIME PASTURE		
		yellowish-brown clayey soils on strongly sloping backslopes that have	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
		been severely eroded; developed in residuum from greenstone schist	Shrink-Swell Potential:	High	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		residuali from greenstone semst	Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATE		
			Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well drained, yellowish-brown loamy fragipan soil	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: low	PRIME PASTURE	FAIR	POOR
50A	Goldvein fine gravely silt loam	on broad, nearly level summits; developed in residuum from quartz	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low		Intermittent high water table	High water table Fragipan
		monzonite and granite pegmatite	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well drained, yellowish-brown loamy fragipan soil	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: low	PRIME PASTURE	FAIR	POOR
50B	Goldvein fine gravely silt loam	on broad, undulating summits and gently sloping backslopes; developed	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low		Intermittent high water table	High water table Fragipan
		in residuum from quartz monzonite and granite pegmatite	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well drained, yellowish-brown loamy fragipan soil	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: low	PRIME PASTURE	FAIR	POOR
50C	Goldvein fine gravely silt loam	on strongly sloping backslopes; developed in residuum from quartz	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low		Intermittent high water table	High water table Fragipan
		monzonite and granite pegmatite	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		U 1
			Bearing Capacity:	Mod.				MODERATELY LOW		

MAI	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Moderately deep, well drained, strong	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
	Stumptown-Rock	brown loamy soils containing more than 35% rock fragments and 10 – 20 % rock	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.2	Subsoil: Moderate	SECONDARY PASTURE	VERY POOR	NOT SUITED
51D	Outcrop Complex	outcrop on hilly summits and moderately steep backslopes; soil surface is covered with $0-15$ % flagstones and/or boulders;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate		Steep slopes Shallow to rock	Shallow to rock Steep slopes
	Complex	developed from local creep and residuum from interbedded quartzite, quartz	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	Shanow to fock	Rock outcrop
		muscovite schist and phyllite.	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
		Moderately deep, well drained, strong	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
	Stumptown-Rock	brown loamy soils containing more than 35% rock fragments and 10 – 20 % rock	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.2	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
51E	Outcrop Complex	outcrop on steep backslopes; soil surface is covered with $0-15\%$ flagstones and/or	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate		Very steep slopes Shallow to rock	Shallow to rock Very steep slopes
	Соприя	boulders; developed from local creep and residuum from interbedded quartzite, quartz muscovite schist and phyllite	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	Shanow to rock	Rock outcrop
		muscovice senist and phymic	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, micaceous, dark brown loamy soils on	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND	GOOD	
53B	Glenelg loam	undulating summits and gently sloping backslopes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.43	Substratum: Moderate		High mica content in substratum may interfer	GOOD
		residuum from micaceous acid crystalline rock	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	with compaction	
			Bearing Capacity:	low				MODERATE		
			Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, micaceous, dark brown loamy soils on rolling	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND	GOOD	
53C	Glenelg loam	summits and strongly sloping backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.43	Substratum: Moderate		High mica content in substratum may interfer	GOOD
		from micaceous acid crystalline rock	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	with compaction	
			Bearing Capacity:	low				MODERATE		
			Slope (%)	15 - 25	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, micaceous, yellowish-red loamy soils on	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE	FAIR	
53D	Glenelg loam	moderately steep backslopes in dissected uplands; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.43	Substratum: Moderate		High mica content in substratum may interfer	MARGINAL Steep slopes
		residuum from mica schist and mica gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	with compaction	
			Bearing Capacity:	low				MODERATE		

	. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
;	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, micaceous, dark red clayey soils on broad	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND	GOOD	
55B	Elioak loam	summits and gently sloping backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		High mica content in substratum may interfer	GOOD
		from micaceous acid crystalline rocks	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)	with compaction	
			Bearing Capacity:	low				MODERATE		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, micaceous, dark red clayey soils on rolling	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND	GOOD	
55C	Elioak loam	summits and strongly sloping backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		High mica content in substratum may interfer	GOOD
		from micaceous acid crystalline rocks	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)	with compaction	
			Bearing Capacity:	low				MODERATE		
		Moderately deep, somewhat	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR	MARGINAL
		excessively drained, olive gray silty soils on undulating summits and	(1n.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	Shallow to rock; High silt content (low bearing	C11141-
56B	Cardova silt loam	gently sloping backslopes; developed in residuum from black graphitic	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		capacity); High corrosivity to steel and	distribution boxes, etc. will have to be used
		schist	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	concrete; High soil acidity will make	instead of concrete due to high acidity
		WHEN DISTURBED CAN PRODUCE HIGH ACIDITY	Bearing Capacity:	low			Hard Bedrock: Impermeable	LOW	stabilization difficult	to mgn ucruity
		Moderately deep, somewhat	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR	POOR
		excessively drained, olive gray silty soils on rolling summits and strongly	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	Shallow to rock; High silt content (low bearing	Challery to most
56C	Cardova silt loam	sloping backslopes; developed in residuum from black graphitic schist	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		capacity); High corrosivity to steel and	distribution boxes, etc. will have to be used
			Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	concrete; High soil acidity will make	instead of concrete due to high acidity
		WHEN DISTURBED CAN PRODUCE HIGH ACIDITY	Bearing Capacity:	low			Hard Bedrock: Impermeable	LOW	stabilization difficult	to mgn ucruity
		Moderately deep, somewhat	Slope (%)	15 - 25	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR	POOR
		excessively drained, olive gray silty soils on hilly summits and	(1n.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE	silt content (low bearing	1 0
56D	Cardova silt loam	moderately steep backslopes; developed in residuum from black	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		capacity); Steep slopes; High corrosivity to steel	
		graphitic schist	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	and concrete; High soil acidity will make	will have to be used instead of concrete due
		WHEN DISTURBED CAN PRODUCE HIGH ACIDITY	Bearing Capacity:	low			Hard Bedrock: Impermeable	LOW	stabilization difficult	to high acidity

	. UNIT SYMBOL				General Character	istics		LAND	DEVELOPMENT I PROBLEN	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL FI	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Moderately deep, somewhat	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Shallow to rock; High	NOT SUITED
	~	excessively drained, olive gray silty soils on steep backslopes; developed	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE	silt content (low bearing capacity); Very steep	very steep slopes
56E	Cardova silt loam	in residuum from black graphitic schist	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		slopes; High corrosivity to steel and concrete;	Fiberglass septic tanks, distribution boxes, etc.
			Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	High soil acidity will make stabilization	will have to be used instead of concrete due
		WHEN DISTURBED CAN PRODUCE HIGH ACIDITY	Bearing Capacity:	low			Hard Bedrock: Impermeable	LOW	difficult	to high acidity
		Moderately deep, somewhat	Slope (%)	45 - 65	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Shallow to rock; High	NOT SUITED
		excessively drained, olive gray silty soils on very steep backslopes;	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED	silt content (low bearing capacity); Very steep	very steep stopes
56F	Cardova silt loam	developed in residuum from black graphitic schist	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		slopes; High corrosivity to steel and concrete;	Fiberglass septic tanks, distribution boxes, etc.
		<u> </u>	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	High soil acidity will make stabilization	will have to be used instead of concrete due
		WHEN DISTURBED CAN PRODUCE HIGH ACIDITY	Bearing Capacity:	low			Hard Bedrock: Impermeable	LOW	difficult	to high acidity
		Very deep, somewhat poorly drained, yellowish brown loamy soils with high	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR Frequent flooding; High	
		water tables in concave landscapes, along small drainageways and on alluvial fans;	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	NOT SUITED	water table; Concentrated runoff	Nom av vern
59B	Mongle loam, rubbly	developed in recent colluvium/alluvium washed from basic and acidic rocks; 15 – 50 % cobbles, stones and/or boulders cover	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.37	Substratum: low		from higher areas; Overland flow-	NOT SUITED High water table
		the soil surface	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)	significant destructive potential during storm	
		May have Hydric Soil inclusions	Bearing Capacity:	low	F			MODERATELY LOW	events	
		Very deep, somewhat poorly drained, yellowish brown loamy soils with high	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR Frequent flooding; High	
	Manal 1	water tables in concave landscapes, along small drainageways and on alluvial fans;	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	NOT SUITED	water table; Concentrated runoff	NOT GUERR
59C	Mongle loam, rubbly	developed in recent colluvium/alluvium washed from basic and acidic rocks; 15 – 50 % cobbles, stones and/or boulders cover	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.37	Substratum: low	TO DUCKET	from higher areas; Overland flow-	NOT SUITED High water table
		the soil surface	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)	significant destructive potential during storm	
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY LOW	events	

	. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT : PROBLEM	POTENTIAL AND AS USING
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		ОТТ	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained,	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
		loamy, dark yellowish brown soils on nearly level summits and backslopes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
		developed in residuum from purple to bluish-gray thermally altered Triassic	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
60A	Ott-Catlett	shale	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW	FAIR	NOT SUITED
0071	Complex	CATLETT	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Shallow, well drained, loamy- skeletal, dark gray soils containing	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.2	Subsoil: Moderate	SECONDARY PASTURE		
		more than 35% rock fragments on nearly level summits and backslopes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate			
		developed in residuum from purple to bluish-gray thermally altered Triassic	Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		shale	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW	<u>D)</u>	
		OTT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained,	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
		loamy, dark yellowish brown soils on undulating summits and gently	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
		sloping backslopes; developed in residuum from purple to bluish-gray	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
60B	Ott-Catlett	thermally altered Triassic shale	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW	FAIR Shallow to rock	NOT SUITED
002	Complex	CATLETT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		Shallow to rock
		Shallow, well drained, loamy- skeletal, dark gray soils containing	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.2	Subsoil: Moderate	SECONDARY PASTURE		
		more than 35% rock fragments on undulating summits and gently	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate			
		sloping backslopes; developed in residuum from purple to bluish-gray	Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		thermally altered Triassic shale	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL FI	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		OTT	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained,	(in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
		loamy, dark yellowish brown soils on strongly sloping backslopes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
		developed in residuum from purple to bluish-gray thermally altered Triassic	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
60C	Ott-Catlett	shale	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW	FAIR	NOT SUITED
000	Complex	CATLETT	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Shallow, well drained, loamy- skeletal, dark gray soils containing	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.2	Subsoil: Moderate	SECONDARY PASTURE		
		more than 35% rock fragments on strongly sloping backslopes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate			
		developed in residuum from purple to bluish-gray thermally altered Triassic	Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		shale	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
		Shallow, well drained, grayish-brown	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		loamy-skeletal soils containing more than 35% rock fragments on	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.2	Subsoil: Moderate	SECONDARY PASTURE	POOR	NOT SUITED
60D	Catlett gravelly silt loam	moderately steep backslopes; developed in residuum from purple to	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate		Steep slopes Shallow to rock	Steep slopes Shallow to rock
		bluish-gray thermally altered Triassic	Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		Similar to 1961
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Shallow, well drained, grayish-brown loamy-skeletal soils containing more	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.2	Subsoil: Moderate	NOT SUITED	POOR	NOT SUITED
60E	Catlett gravelly silt loam	than 35% rock fragments on steep backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate	TO DUCKENY.	Steep slopes Shallow to rock	Steep slopes Shallow to rock
		from purple to bluish-gray thermally altered Triassic shale	Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	Erosional Hazard		Hard Bedrock: Impermeable	LOW		
		Doon well desired desired to	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
	Dranknask silt	Deep, well drained, dark yellowish brown silty soils on nearly level summits and backslopes; developed	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND	GOOD	MARGINAL
61A	Brecknock silt loam	in residuum from bluish-gray thermally altered Triassic shale and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate	FOREGRAY	Low bearing capacity when wet due to high silt content	Slow percolation
		siltstone	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	SHI COHICH	

	. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Bearing Capacity:	low				MODERATE		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Deep, well drained, dark yellowish brown silty soils on undulating	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND	GOOD	
61B	Brecknock silt loam	summits and gently sloping backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Low bearing capacity when wet due to high	MARGINAL Slow percolation
		from bluish-gray thermally altered Triassic shale and siltstone	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	silt content	•
			Bearing Capacity:	low				MODERATE		
			Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Deep, well drained, dark yellowish brown silty soils on rolling summits	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND	GOOD	
61C	Brecknock silt loam	and strongly sloping backslopes; developed in residuum from bluish-	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Low bearing capacity when wet due to high	MARGINAL Slow percolation
		gray thermally altered Triassic shale and siltstone	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	silt content	
			Bearing Capacity:	low				MODERATE		
		Moderately deep, moderately well to somewhat poorly drained, brown silty	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		soils with intermittent high water tables on nearly level summits and	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.43	Subsoil: Moderate	SECONDARY CROPLAND	POOR Intermittent high	
62A	Sycoline silt loam	backslopes; developed in residuum from bluish-gray thermally altered	Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.43	Substratum: Moderate		watertable; Low bearing capacity when wet;	NOT SUITED High water table
		Triassic shale and siltstone	Shrink-Swell Potential:	low	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	Shallow to rock	
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY LOW		
		Moderately deep, moderately well to somewhat poorly drained, brown silty	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		soils with intermittent high water tables on undulating summits and	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.43	Subsoil: Moderate	SECONDARY CROPLAND	POOR Intermittent high	
62B	Sycoline silt loam	gently sloping backslopes; developed in residuum from bluish-	Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.43	Substratum: Moderate		watertable; Low bearing capacity when wet;	NOT SUITED High water table
		gray thermally altered Triassic shale and siltstone	Shrink-Swell Potential:	low	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	Shallow to rock	
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY LOW		
		Moderately deep, moderately well to somewhat poorly drained, brown silty	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		soils with intermittent high water tables on rolling summits and	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.43	Subsoil: Moderate	PRIME PASTURE	POOR Intermittent high	
62C	Sycoline silt loam	strongly sloping backslopes; developed in residuum from bluish-	Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.43	Substratum: Moderate		watertable; Low bearing capacity when wet;	NOT SUITED High water table
		gray thermally altered Triassic shale and siltstone	Shrink-Swell Potential:	low	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	Shallow to rock	

	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEN	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY LOW		
		Deep, somewhat poorly drained, yellowish-brown clay pan soils with	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR	
		intermittent high water tables on broad upland flats and concave areas;	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: low	SECONDARY PASTURE	High shrink-swell clay layers in the subsoil;	NOT SUITED
63A	Kelly silt loam	developed in old alluvial capping underlain by residuum from	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low		High watertable; Shallow to rock; Low	High water table Shallow to rock
		thermally-altered Triassic shale and granulite	Shrink-Swell Potential:	Very High	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	relief; Low bearing capacity	
		May have Hydric Soil inclusions	Bearing Capacity:	low	Englished Horond			MODERATELY LOW	. ,	
		Moderately deep, somewhat poorly drained, yellowish-brown clay pan soils with intermittent high water	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE SECONDARY	VERY POOR	
	Kelly Variant silt	tables on broad upland flats and concave areas; developed in old	Bedrock Depth (in.): Watertable Depth	20 - 40	K Factor (surface):	0.37	Subsoil: low	PASTURE	High shrink-swell clay layers in the subsoil;	NOT SUITED
63B	loam	alluvial capping underlain by residuum from thermally-altered	(in.): Shrink-Swell	10 - 20 Very	K Factor (subsoil):	0.28	Substratum: low Hard Bedrock:	FORESTRY	High watertable; Shallow to rock; Low	High water table Shallow to rock
		Triassic shale and granulite	Potential:	High	Hydrologic Group:	D	Impermeable	(HARDWOOD) MODERATELY	relief; Low bearing capacity	
		May have Hydric Soil inclusions Moderately deep, somewhat poorly	Bearing Capacity:	low	Erosional Hazard			LOW		
		drained, yellowish-brown clay pan soils with intermittent high water	Slope (%)	7 - 15	Potential:	Mod.	Surface: Moderate	AGRICULTURE SECONDARY	VERY POOR	
	Kelly Variant silt	tables in saddles and heads of drainageways; developed in old	Bedrock Depth (in.): Watertable Depth	20 - 40	K Factor (surface):	0.37	Subsoil: low	PASTURE	High shrink-swell clay layers in the subsoil;	NOT SUITED
63C	loam	alluvial capping underlain by residuum from thermally-altered	(in.): Shrink-Swell	10 - 20 Very	K Factor (subsoil):	0.28	Substratum: low Hard Bedrock:	FORESTRY	High watertable; Shallow to rock; Low	High water table Shallow to rock
		Triassic shale and granulite	Potential:	High	Hydrologic Group:	D	Impermeable	(HARDWOOD) MODERATELY	relief; Low bearing capacity	
		May have Hydric Soil inclusions	Bearing Capacity:	low	Erosional Hazard			LOW		
		OAKHILL	Slope (%)	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE SECONDARY		
		Moderately deep, well drained, yellowish-red, loamy-skeletal soils	Bedrock Depth (in.): Watertable Depth	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	CROPLAND		
		containing more than 35% rock fragments in the subsoil on broad	(in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate Weathered Bedrock:	FORESTRY		
		summits; developed in residuum from basalt	Shrink-Swell Potential:	low	Hydrologic Group:	В	Impermeable	(HARDWOOD)		
64B	Oakhill - Legore Complex		Bearing Capacity:	Mod.	Erosional Hazard		Hard Bedrock: Impermeable	MODERATE	FAIR Shallow to rock	MARGINAL Shallow to rock
	Complex	LEGORE	Slope (%) Bedrock Depth	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE PRIME	Shanow to fock	Shanow to fock
			(in.): Watertable Depth	> 60	K Factor (surface):	0.32	Subsoil: Moderate	CROPLAND		
		Very deep, well drained, yellowish- red loamy soils on broad summits;	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	FORESTRY		
		developed in residuum from basalt	Potential:	low	Hydrologic Group:	В		(HARDWOOD)		

	. UNIT SYMBOL				General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Bearing Capacity:	Mod.				MODERATE		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, yellowish-red loamy-skeletal soils	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
64C	Oakhill loam	containing more than 35% rock fragments in the subsoil on strongly	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		FAIR Shallow to rock	POOR Shallow to rock
		sloping backslopes; developed in residuum from basalt	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE		
		Moderately deep, well drained,	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		yellowish-red loamy-skeletal soils containing more than 35% rock	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	POOR	POOR
64D	Oakhill loam, stony	fragments in the subsoil on moderately steep backslopes; stones	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		Shallow to rock Steep slopes	Shallow to rock Steep slopes
		and cobbles cover $0.01 - 0.1\%$ of the soil surface; developed in	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	steep slopes	Steep slopes
		residuum from basalt	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
		Moderately deep, well drained,	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		yellowish-red loamy-skeletal soils containing more than 35% rock	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	VERY POOR	NOT SUITED
64E	Oakhill loam, stony	fragments in the subsoil on steep backslopes; stones and cobbles cover	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		Shallow to rock Very steep slopes	Shallow to rock Very steep slopes
		0.01 – 0.1% of the soil surface; developed in residuum from basalt	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	very steep stopes	very steep slopes
		developed in residudin from basan	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
		Moderately deep, well drained,	Slope (%)	45 - 65	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		yellowish-red loamy-skeletal soils containing more than 35% rock	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
64F	Oakhill loam, stony	fragments in the subsoil on steep backslopes; stones and cobbles cover	Watertable Depth (in.):	>40	K Factor (subsoil):	0.28	Substratum: Moderate		Shallow to rock Very steep slopes	Shallow to rock Very steep slopes
		0.01 – 0.1% of the soil surface; developed in residuum from basalt	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	very steep stopes	very steep stopes
		developed in residualii from ousua	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
			Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME CROPLAND		
65A	Montalto loam	soils on nearly level summits and backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		GOOD	MARGINAL Slow percolation
		from diabase and basalt	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		

MAP	. UNIT SYMBOL				General Character	ristics		LAND	DEVELOPMENT I	
-	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Bearing Capacity:	low				MODERATELY HIGH		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME CROPLAND		
65B	Montalto loam	soils on undulating summits and gently sloping backslopes; developed	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		GOOD	MARGINAL Slow percolation
		in residuum from diabase and basalt	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		•
			Bearing Capacity:	low	, , ,			MODERATELY HIGH		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND]	
65C	Montalto loam	soils on rolling summits and strongly sloping backslopes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		GOOD	MARGINAL Slow percolation
		residuum from diabase and basalt	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)]	
			Bearing Capacity:	low				MODERATELY HIGH		
		Very deep, poorly drained, light olive	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		brown clay pan soils with intermittent high water tables on	Bedrock Depth (in.):	> 60	K Factor (surface):	0.43	Subsoil: low	SECONDARY CROPLAND	VERY POOR Frequent ponding;	
66A	Waxpool silt loam	broad nearly level summits; developed in residuum from diabase	Watertable Depth (in.):	0 - 10	K Factor (subsoil):	0.15	Substratum: Moderate		Extremely plastic shrink swell clay pan in the	NOT SUITED High water table
		and basalt	Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)	subsoil; High water table; Low relief	
		HYDRIC SOIL	Bearing Capacity:	low				LOW		
		JACKLAND	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well to somewhat poorly drained, yellowish	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND		
		brown to olive brown clay pan soils with intermittent high water tables	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.1	Substratum: Moderate			
		on nearly level summits and backslopes; developed in residuum	Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)	VERY POOR	
67A	Jackland and Haymarket silt	May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE	Extremely plastic shrink- swell clay pan in the	NOT SUITED
UIA	loams	HAYMARKET	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	subsoil; Intermittent high water table	High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	mgn water table	
		Very deep, well drained dark brown clay pan soils on nearly level	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
		summits and backslopes; developed in residuum from diabase and basalt	Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		

	. UNIT SYMBOL				General Character	istics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Bearing Capacity:	low				MODERATE		
		JACKLAND	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well drained to somewhat poorly, yellowish brown to olive	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND		
		brown clay pan soils with intermittent high water tables on undulating summits and	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.1	Substratum: Moderate			
		gently sloping backslopes; developed in residuum from diabase and basalt	Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)	VERY POOR	
67B	Jackland and Haymarket silt	May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE	Extremely plastic shrink swell clay pan in the	NOT SUITED
0715	loams	HAYMARKET	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	subsoil; Intermittent	High water table
		Very deep, well drained dark brown	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	high water table	
		clay pan soils on undulating summits and gently sloping	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
		backslopes; developed in residuum from diabase and basalt	Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
		nom diabase and basan	Bearing Capacity:	low				MODERATE		

MAI	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		JACKLAND	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well to somewhat poorly drained, yellowish	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	PRIME PASTURE		
		brown to olive brown clay pan soils with intermittent high water tables	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.1	Substratum: Moderate			
		on strongly sloping backslopes; developed in residuum from diabase	Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)	VERY POOR	
67C	Jackland and Haymarket silt	and basalt	Bearing Capacity:	low				MODERATE	Extremely plastic shrink- swell clay pan in the	NOT SUITED
070	loams	HAYMARKET	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	subsoil; Intermittent high water table	High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND	ingii water table	
		Very deep, well drained dark brown clay pan soils on strongly sloping	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
		backslopes; developed in residuum from diabase and basalt	Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
		JACKLAND	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well drained to somewhat poorly, yellowish brown to olive	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY PASTURE		
		brown clay pan soils with intermittent high water tables on undulating summits and	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.1	Substratum: Moderate			
		gently sloping backslopes; soil surface is covered by $0.2 - 4\%$ stones and $0 - 0.05\%$ boulders; developed in residuum from	Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)	VERY POOR Extremely plastic shrink	
68B	Jackland and Haymarket silt	diabase and basalt	Bearing Capacity:	low				MODERATELY LOW	swell clay pan in the	NOT SUITED High water table
001	loams, very stony	HAYMARKET	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	subsoil; Intermittent high water table; Large amounts of stones and boulders on the surface	Stone content
		Very deep, well drained dark brown clay pan soils on undulating summits and gently	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
		sloping backslopes; soil surface is covered by 0.2 – 4% stones and 0 – 0.05%	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
		boulders; developed in residuum from diabase and basalt	Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY LOW		

	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		JACKLAND	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well drained to somewhat poorly, yellowish brown to olive	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY PASTURE		
		brown clay pan soils with intermittent high water tables on strongly sloping	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.1	Substratum: Moderate			
		backslopes; soil surface is covered by 0.2 – 4% stones and 0 – 0.05 boulders; developed in residuum from diabase and	Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)	VERY POOR Extremely plastic shrink	
68C	Jackland and Haymarket silt	basalt	Bearing Capacity:	low				MODERATELY LOW	swell clay pan in the subsoil; Intermittent	NOT SUITED High water table
	loams, very stony	HAYMARKET	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	high water table; Large amounts of stones and	Stone content
		Very deep, well drained dark brown	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE	boulders on the surface	
		clay pan soils on strongly sloping backslopes; soil surface is covered by 0.2 – 4% stones and 0 – 0.05	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate	FOREGERY		
		boulders; developed in residuum from diabase and basalt	Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD) MODERATELY		
		from diabase and basait	Bearing Capacity:	low	Erosional Hazard			LOW		
		Deep, poorly drained, dark gray clay	Slope (%) Bedrock Depth	0 - 2	Potential:	Slight	Surface: Moderate	AGRICULTURE SECONDARY	VERY POOR	
		pan soils in drainageways; formed in alluvium and residuum from diabase	(in.): Watertable Depth	40 - 60	K Factor (surface):	0.43	Subsoil: low	PASTURE	Frequent flooding; Occasional ponding;	NOT SUITED
69A	Elbert silt loam	and basalt	(in.): Shrink-Swell	0 - 10 Very	K Factor (subsoil):	0.24	Substratum: low Weathered Bedrock:	FORESTRY	Concentrated runoff from higher area; High	High water table
			Potential:	High	Hydrologic Group:	D	Impermeable	(HARDWOOD)	shrink-swell clays; High water table; Low relief	
-		HYDRIC SOIL	Bearing Capacity:	low	Erosional Hazard			LOW		
		Deep, somewhat poorly drained, yellowish-brown loamy over clayey	Slope (%) Bedrock Depth	0 - 2	Potential:	Slight	Surface: Moderate	AGRICULTURE		
70.4		soils on nearly level summits and footslopes; developed in colluvium	(in.): Watertable Depth	40 - 60	K Factor (surface):	0.32	Subsoil: low	PRIME PASTURE	POOR High water table;	NOT SUITED
70A	Mt. Lucas loam	over residuum from basalt and diabase	(in.): Shrink-Swell	10 - 20	K Factor (subsoil):	0.28	Substratum: low	FORESTRY	Shrink-swell clay may occur in lower subsoil	High water table
		March and Harling Calling Laring	Potential:	High	Hydrologic Group:	С		(HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low	Erosional Hazard			MODERATE		
		Deep, somewhat poorly drained, yellowish-brown loamy over clayey	Slope (%) Bedrock Depth	2 - 7	Potential:	Slight	Surface: Moderate	AGRICULTURE		
70D	Mt. Lucas las-	soils on undulating summits and footslopes; developed in colluvium	(in.): Watertable Depth	40 - 60	K Factor (surface):	0.32	Subsoil: low	PRIME PASTURE	POOR High water table;	NOT SUITED
70B	Mt. Lucas loam	over residuum from basalt and diabase	(in.): Shrink-Swell	10 - 20	K Factor (subsoil):	0.28	Substratum: low	FORESTRY	Shrink-swell clay may occur in lower subsoil	High water table
		May have Hydric Soil inclusions	Potential: Bearing Capacity:	High low	Hydrologic Group:	С		(HARDWOOD) MODERATE	-	
		mave Trydric 5011 illetusions	Bearing Capacity:	10W				MODERATE		

	P. UNIT SYMBOL				General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		Deep, well drained, reddish-brown	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	GOOD	
71A	Panorama silt loam	silty soils on nearly level summits; developed in residuum from red Triassic shale, siltstone and fine-	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Low bearing capacity when wet due to high	MARGINAL Slow percolation
		grained sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: low	FORESTRY (HARDWOOD)	silt content	
			Bearing Capacity:	low				MODERATE		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Deep, well drained, reddish-brown silty soils on undulating summits and	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	GOOD	
71B	Panorama silt loam	gently sloping backslopes; developed in residuum from red Triassic shale,	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Low bearing capacity when wet due to high	MARGINAL Slow percolation
		siltstone and fine-grained sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: low	FORESTRY (HARDWOOD)	silt content	
			Bearing Capacity:	low				MODERATE		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Deep, well drained, dark reddish- brown silty soils rolling summits and	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	GOOD	
71C	Panorama silt loam	strongly sloping backslopes; developed in residuum from red	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Low bearing capacity when wet due to high	MARGINAL Slow percolation
		Triassic shale and sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: low	FORESTRY (HARDWOOD)	silt content	
			Bearing Capacity:	low				MODERATE		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Deep, well drained, dark reddish-	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE	FAIR Low bearing capacity	MARGINAL
71D	Panorama silt loam	brown silty soils moderately steep backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		when wet due to high silt content; Steep	Slow percolation Steep slopes
		from red Triassic shale and sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: low	FORESTRY (HARDWOOD)	slopes	Steep stopes
			Bearing Capacity:	low				MODERATE		
			Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, red silty soils on nearly level summits,	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
73A	Penn loam	developed in residuum from Triassic shale, siltstone and fine-grained	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		GOOD Shallow to rock	POOR Shallow to rock
		sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

	. UNIT SYMBOL				General Character	istics		LAND	DEVELOPMENT I PROBLEM	
:	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, red	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
73B	Penn loam	silty soils on undulating summits and gently sloping backslopes, developed in residuum from Triassic shale,	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		GOOD Shallow to rock	POOR Shallow to rock
		siltstone and fine-grained sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
			Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, red silty soils on strongly sloping	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND	9005	Doop
73C	Penn loam	backslopes, developed in residuum from Triassic shale, siltstone and fine-	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		GOOD Shallow to rock	POOR Shallow to rock
		grained sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	F ' 111 1	*7	Hard Bedrock: Impermeable	MODERATELY LOW		
			Slope (%)	15 - 25	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, red silty soils on moderately steep	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND	FAIR	POOR
73D	Penn loam	backslopes, developed in residuum from Triassic shale, siltstone and fine-	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Steep slopes Shallow to rock	Steep slopes Shallow to rock
		grained sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	F ' 111 1		Hard Bedrock: Impermeable	MODERATELY LOW		
		Moderately deep, moderately well	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	FAIR	
		drained, strong brown silty soils with intermittent high water tables on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	Intermittent high water table; Low bearing	POOR
74A	Ashburn silt loam	broad, nearly level upland flats; developed from thin fluvial capping	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate		capacity when wet due to high silt content	Shallow to rock Water table
		over Triassic siltstone, fine grained sandstone and shale	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	and/or shrink-swell clay in lower horizons	
			Bearing Capacity:	low	Emosional Hazand			MODERATELY LOW		
		Moderately deep, moderately well	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR	
	Ashbum silt	drained, strong brown silty soils with intermittent high water tables on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	Intermittent high water table; Low bearing	POOR
74B	Ashburn silt loam	broad undulating summits and gently sloping backslopes; developed from	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate	FOREGERY	capacity when wet due to high silt content	Shallow to rock Water table
		thin fluvial capping over Triassic siltstone, fine grained sandstone and	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	and/or shrink-swell clay in lower horizons	
		shale	Bearing Capacity:	low				MODERATELY LOW		

	. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
;	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		M. I. al. I. al. III	Slope (%)	7 - 14	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	EAID	
		Moderately deep, moderately well drained, strong brown silty soils with intermittent high water tables on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	FAIR Intermittent high water table; Low bearing	POOR
74C	Ashburn silt loam	strongly sloping backslopes; developed from thin fluvial capping	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate		capacity when wet due to high silt content	Shallow to rock Water table
		over Triassic siltstone, fine grained sandstone and shale	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	and/or shrink-swell clay in lower horizons	water table
		sandstone and shale	Bearing Capacity:	low				MODERATELY LOW	III IOWEI HOITZOIIS	
			Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, dark-red and reddish-yellow clayey soils on nearly	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
75A	Clover loam	level summits; developed in residuum from Triassic	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		GOOD	MARGINAL Slow percolation
		conglomerate, siltstone and shale	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, dark-red and reddish yellow clayey soils on	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		NA D GDV V
75B	Clover loam	broad, undulating summits; developed in residuum from Triassic	Watertable Depth (in.):	>40	K Factor (subsoil):	0.28	Substratum: Moderate		GOOD	MARGINAL Slow percolation
		conglomerate, shale and siltstone	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
			Slope (%)	7 -15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, dark-red and reddish yellow clayey soils on	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		MARCRIAL
75C	Clover loam	strongly sloping backslopes; developed in residuum from Triassic	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		GOOD	MARGINAL Slow percolation
		conglomerate, shale and siltstone	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	F			MODERATE		
		Want data and I don't be to be	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, dark-red and reddish-yellow clayey soils on	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		MARGINAL
75D	Clover loam	moderately steep backslopes; developed in residuum from	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	EODEGEDA	FAIR Steep slopes	Steep slopes Slow percolation
		interbedded Triassic conglomerate, shale and siltstone	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		-
			Bearing Capacity:	Mod.				MODERATE		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	-
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		SUDLEY	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained strong brown	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
		to reddish-brown loamy soils on nearly level summits; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low			
		residuum from Triassic conglomerate and sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
76A	Sudley - Oatlands	and sandstone	Bearing Capacity:	Mod.				MODERATE	GOOD	MARGINAL Shallow to rock
70A	Complex	OATLANDS	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock	Slow percolation with depth
		Moderately deep, well drained strong	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY CROPLAND		
		brown to reddish-brown loamy soils on nearly level summits; developed	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: low			
		in residuum from Triassic conglomerate and sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: low	FORESTRY (HARDWOOD)		
		congromerate and sandstone	Bearing Capacity:	Mod.				MODERATE		

	. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		SUDLEY	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained strong brown	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
		to reddish-brown loamy soils on undulating summits and gently	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low			
		sloping backslopes; developed in residuum from Triassic conglomerate	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
76B	Sudley - Oatlands	and sandstone	Bearing Capacity:	Mod.				MODERATE	GOOD	MARGINAL Shallow to rock
700	Complex	OATLANDS	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock	Slow percolation with depth
		Moderately deep, well drained strong	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY CROPLAND		
		brown to reddish-brown loamy soils on undulating summits and gently	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: low			
		sloping backslopes; developed in residuum from Triassic conglomerate	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: low	FORESTRY (HARDWOOD)		
		and sandstone	Bearing Capacity:	Mod.				MODERATE)	
		SUDLEY	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep well drained strong brown	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
		to reddish-brown loamy soils on rolling summits and strongly sloping	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low			
		backslopes; developed in residuum from Triassic conglomerate and	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
76C	Sudley - Oatlands	sandstone	Bearing Capacity:	Mod.				MODERATE	GOOD	MARGINAL Shallow to rock
700	Complex	OATLANDS	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock	Slow percolation with depth
		Moderately deep, well drained strong	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	PRIME PASTURE		
		brown to reddish-brown loamy soils on rolling summits and strongly	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: low			
		sloping backslopes; developed in residuum from Triassic conglomerate	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: low	FORESTRY (HARDWOOD)		
		and sandstone	Bearing Capacity:	Mod.				MODERATE		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT : PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		SUDLEY	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained strong brown	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
		to reddish-brown loamy soils on moderately steep backslopes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low			
		developed in residuum from Triassic conglomerate and sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		MARGINAL
76D	Sudley - Oatlands	congromerate and sandstone	Bearing Capacity:	Mod.				MODERATE	FAIR Steep slopes	Steep slopes Shallow to rock
70D	Complex	OATLANDS	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	Shallow to rock	Slow percolation with depth
		Moderately deep, well drained strong	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY PASTURE		цериі
		brown to reddish-brown loamy soils on moderately steep backslopes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: low			
		developed in residuum from Triassic conglomerate and sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: low	FORESTRY (HARDWOOD)		
		congiomerate and sandstone	Bearing Capacity:	Mod.				MODERATE		
		SUDLEY	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained strong brown	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
		to reddish-brown loamy soils on steep backslopes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low			
		residuum from Triassic conglomerate and sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		NOT SUITED
76E	Sudley - Oatlands	and sandstone	Bearing Capacity:	Mod.				MODERATELY LOW	POOR Very steep slopes	Very steep slopes Shallow to rock
70E	Complex	OATLANDS	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	Shallow to rock	Slow percolation with
		Moderately deep, well drained strong	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	NOT SUITED		depth
		brown to reddish-brown loamy soils on steep backslopes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: low		WOOD)	
		residuum from Triassic conglomerate and sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: low	FORESTRY (HARDWOOD)		
		and sandstone	Bearing Capacity:	Mod.				MODERATELY LOW		

	P. UNIT SYMBOL				General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		ARCOLA	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		Moderately deep, well drained dark red silty soils on nearly level	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
		summits; developed in residuum from Triassic siltstone and shale	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
77A	Arcola - Nestoria		Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY LOW	FAIR Shallow to rock; Little	POOR
///	Complex	NESTORIA	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	soil available for landscaping or grading	Shallow to rock
		Shallow, well to excessively drained,	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		yellowish red silty soil containing more than 35% rock fragments in the	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
		subsoil on nearly level summits; developed in residuum from Triassic	Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
		siltstone and shale	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
		ARCOLA	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained dark	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		red silty soil on undulating summits and gently sloping backslopes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
		developed in residuum from Triassic siltstone and shale	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
77B	Arcola - Nestoria	sitistone and snate	Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY LOW	FAIR Shallow to rock; Little	POOR
//В	Complex	NESTORIA	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	soil available for landscaping or grading	Shallow to rock
		Shallow, well to excessively drained, yellowish red silty soil containing	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		more than 35% rock fragments in the subsoil on undulating summits and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
		gently sloping backslopes; developed in residuum from Triassic siltstone	Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
		and shale	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEN	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		ARCOLA	Slope (%)	2 - 7	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained dark	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
		red silty soil with gullies on gently sloping backslopes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
		residuum from Triassic siltstone and shale	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
77B3	Arcola - Nestoria		Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY LOW	POOR Shallow to rock; Little	NOT SUITED
,,20	Complex; gullied	NESTORIA	Slope (%)	2 - 7	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	soil available for landscaping or grading	Shallow to rock
		Shallow, well to excessively drained,	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
		yellowish red silty soil containing more than 35% rock fragments in the	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
		subsoil with gullies on gently sloping backslopes; developed in residuum	Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
		from Triassic siltstone and shale	Bearing Capacity:	Mod.	F ' 111 1		Hard Bedrock: Impermeable	MODERATELY LOW		
		ARCOLA	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		X 1 . 1 . 1 . 1 . 1 . 1	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
		Moderately deep, well drained dark red silty soil on strongly sloping	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate	FOREGERY		
		backslopes; developed in residuum from Triassic siltstone and shale	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	EAID	
77C	Arcola - Nestoria Complex		Bearing Capacity:	low	Erosional Hazard		Hard Bedrock: Impermeable	MODERATELY LOW	FAIR Shallow to rock; Little soil available for	POOR Shallow to rock
	Complex	NESTORIA	Slope (%)	7 - 15	Potential:	High	Surface: Moderate	AGRICULTURE	landscaping or grading	Shallow to fock
		Shallow, well to excessively drained, yellowish red silty soil containing	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
		more than 35% rock fragments in the	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate	FOREGERY		
		subsoil on strongly sloping backslopes; developed in residuum from Triassic siltstone and shale	Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
		from Thassic shistone and shale	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		NESTORIA	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Shallow, well to excessively drained,	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
		eroded reddish-brown silty soils with gullies on strongly sloping convex	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
		backslopes in dissected terrain; developed in residuum from Triassic	Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
77C3	Nestoria – Arcola	siltstone and shale	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW	POOR Shallow to rock; Little	NOT SUITED
	complex, gullied	ARCOLA	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	soil available for landscaping or grading	Shallow to rock
		Moderately deep, well drained eroded	Bedrock Depth (in.): Watertable Depth	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
		reddish-brown silty soils with gullies on strongly sloping convex	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.1	Substratum: Moderate	EODECTDY		
		backslopes in dissected terrain; developed in residuum from Triassic siltstone and shale	Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low Hard Bedrock:	FORESTRY (HARDWOOD) MODERATELY		
		shtstone and shale	Bearing Capacity:	low	Erosional Hazard	Vor	Impermeable	LOW		
		Shallow, well to excessively drained	Slope (%)	15 - 25	Potential:	Very High	Surface: Moderate	AGRICULTURE SECONDARY		
	Nestoria gravelly	reddish-brown loamy soils containing more than 35% rock fragments on	Bedrock Depth (in.): Watertable Depth	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	PASTURE	POOR Shallow to rock; Steep	NOT SUITED
77D	loam	moderately steep backslopes; developed in residuum from Triassic	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.1	Substratum: Moderate	FORESTRY	slopes; little soil material available for	Shallow to rock Steep slopes
		siltstone and shale	Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low Hard Bedrock:	(HARDWOOD) MODERATELY	landscaping or grading	
			Bearing Capacity:	Mod.	Erosional Hazard	Very	Impermeable	LOW		
		Shallow, well to excessively drained	Slope (%) Bedrock Depth	15 - 25	Potential:	High	Surface: Moderate	AGRICULTURE SECONDARY		
	Nestoria gravelly	reddish-brown loamy soils containing more than 35% rock fragments on	(in.): Watertable Depth	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	PASTURE	POOR Shallow to rock; Steep	NOT SUITED
77D3	loam, gullied	moderately steep backslopes; developed in residuum from Triassic	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.1	Substratum: Moderate	FORESTRY	slopes; little soil material available for	Shallow to rock Steep slopes
		siltstone and shale	Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low Hard Bedrock:	(HARDWOOD) MODERATELY	landscaping or grading	
			Bearing Capacity:	Mod.	Erosional Hazard	Very	Impermeable	LOW		
		Shallow, well to excessively drained	Slope (%) Bedrock Depth	25 - 45	Potential:	High	Surface: Moderate	AGRICULTURE SECONDARY		
	Nestoria gravelly	reddish-brown loamy soils containing more than 35% rock fragments on	(in.): Watertable Depth	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	PASTURE	POOR Shallow to rock; Steep	NOT SUITED
77E	loam	steep backslopes; developed in residuum from Triassic siltstone and	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.1	Substratum: Moderate	FORESTRY	slopes; little soil material available for	Shallow to rock Steep slopes
		shale	Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low Hard Bedrock:	(HARDWOOD)	landscaping or grading	
			Bearing Capacity:	Mod.			Impermeable	LOW		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Deep, moderately well and somewhat	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR May	
		poorly drained, light yellowish-brown clayey soils with intermittent high water table water tables on broad, nearly level	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.43	Subsoil: low	PRIME PASTURE	be within 100-year floodplain; Frequent flooding; Occasional	NOT SUITED
78A	Dulles silt loam	interfluves and concave areas; developed in local colluvium and residuum from red	Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.43	Substratum: low		ponding; High water table; Low relief; Low bearing	High water table Landscape position
		Triassic shale and sandstone	Shrink-Swell Potential:	High	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)	capacity when wet due to high silt content and shrink-	zanaseape position
		May have Hydric Soil inclusions	Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY LOW	swell clay in the subsoil	
		Deep, moderately well and somewhat poorly drained, light yellowish-brown	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year	
		clayey soils with intermittent high water table water tables	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.43	Subsoil: low	PRIME PASTURE	floodplain; Frequent flooding; Occasional	NOT SUITED
78B	Dulles silt loam	drainageways; developed in local colluvium and alluvium over	Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.43	Substratum: low		ponding; High water table; Low relief; Low bearing	High water table Landscape position
		residuum from red Triassic shale and sandstone	Shrink-Swell Potential:	High	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)	capacity when wet due to high silt content and shrink-	1 1
		May have Hydric Soil inclusions	Bearing Capacity:	low	F : 117		Hard Bedrock: Impermeable	MODERATELY LOW	swell clay in the subsoil	
		Deep, poorly drained, mottled reddish-brown and gray clayey soils	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR May	
		with intermittent high water table water tables on upland flats and in	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY PASTURE	be within 100-year floodplain; Frequent flooding; Occasional	NOT SUITED
79A	Albano silt loam	drainageways; developed in local alluvium and residuum from red	Watertable Depth (in.):	0 - 10	K Factor (subsoil):	0.32	Substratum: low	TODUCTOV	ponding; High water table; Low relief; Low bearing	High water table Landscape position
		Triassic shale and sandstone	Shrink-Swell Potential:	High	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	capacity when wet due to high silt content and shrink-	
		HYDRIC SOIL	Bearing Capacity:	low	England Hand			MODERATELY LOW	swell clay in the subsoil	
		Very deep, moderately well drained, light yellowish-brown to strong	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	D 1 1	brown loamy soils on footslopes and toeslopes of mountains and in broad	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND	FAIR	DOOD
81B	Brumbaugh loam	gently sloping interfluves; semi- rounded stones make up 5 -50% of	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.2	Substratum: low	FOREGERY	Intermittent high water table	POOR High water table
		the soil; developed in old mountain colluvium from mixed acidic and	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		basic rocks	Bearing Capacity:	Mod.	Erosional Hazard			MODERATE		
		Very deep, moderately well drained, yellowish-brown loamy soils on	Slope (%)	7 - 15	Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Brumbaugh	footslopes and toeslopes of mountains and in broad, strongly	Bedrock Depth (in.): Watertable Depth	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE	FAIR	POOR
81C	loam	sloping interfluves; semi-rounded stones make up 5-50% of the soil;	(in.): Shrink-Swell	20 - 40	K Factor (subsoil):	0.2	Substratum: low	FORESTRY	Intermittent high water table	High water table
		developed in old mountain colluvium from mixed acidic and	Potential:	low	Hydrologic Group:	В		(HARDWOOD)		
		basic rocks	Bearing Capacity:	Mod.				MODERATE		

	. UNIT SYMBOL				General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Very deep, moderately well drained,	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		yellowish-brown loamy soils on footslopes and toeslopes of mountains and in broad, moderately	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE	FAIR	POOR
81D	Brumbaugh loam	steep interfluves; semi-rounded stones make up 5-50% of the soil;	. ,	20 - 40	K Factor (subsoil):	0.2	Substratum: low		Steep slopes Intermittent high water	Steep slopes High water table
		developed in old mountain colluvium from mixed acidic and	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	table	ingi water table
		basic rocks	Bearing Capacity:	Mod.				MODERATE		
		Very deep, somewhat poorly drained,	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		brownish yellow loamy soils on gently sloping footslopes; soil surface		> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE	VERY POOR High water table;	
82B	Scattersville loam, stony	is covered by $0.01 - 0.1\%$ stones; developed in colluvium from felsic to		10 - 20	K Factor (subsoil):	0.28	Substratum: low		stoniness; Overland flow - significant	NOT SUITED High water table
		mafic crystalline rock	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)	destructive potential during flooding events	
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY LOW		
		Very deep, somewhat poorly drained,	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		brownish yellow loamy soils on strongly sloping footslopes; soil	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE	VERY POOR High water table;	
82C	Scattersville loam, stony	surface is covered by 0.01 – 0.1% stones; developed in colluvium from	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low		stoniness; Overland flow - significant	NOT SUITED High water table
		felsic to mafic crystalline rock	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)	destructive potential during flooding events	
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY LOW		
		Very deep, well drained reddish- brown clayey soils on footslopes,	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Braddock	broad, rolling summits and strongly sloping backslopes; rounded stones	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE		MARGINAL
83C	gravelly loam; stony	make up 0 - 50% of the soil mass; soil surface is covered by 0.01 –	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		FAIR Stoniness	Slow percolation Stoniness
	•	0.1% stones with some cobbles and gravel; developed in old colluvium	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		from mixed acidic and basic rocks	Bearing Capacity:	low	F ' 111			MODERATELY LOW		
		Very deep, well drained reddish-	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
	Braddock	brown clayey soils on moderately steep backslopes; rounded stones	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE	E / TO	MARGINAL
83D	gravelly loam; stony	make up 0 - 50% of the soil mass; soil surface is covered by 0.01 –	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	non-company	FAIR Steep slopes; Stoniness	Slow percolation Stoniness
	•	0.1% stones with some cobbles and gravel; developed in old colluvium	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		Steep slopes
		from mixed acidic and basic rocks	Bearing Capacity:	low				MODERATELY LOW		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Very deep, well drained reddish-	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Braddock	brown clayey soils on footslopes, broad, rolling summits and strongly sloping backslopes; rounded stones	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE	VERY POOR	POOR
84C	gravelly loam; very stony	make up 0 - 50% of the soil mass; soil surface is covered by $0.1 - 3\%$	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Stoniness; Little soil material available for	Stoniness Slow percolation
		stones with some cobbles and gravel; developed in old colluvium from	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)	landscaping or grading	1
		mixed acidic and basic rocks	Bearing Capacity:	low				MODERATELY LOW		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR	
		Very deep, well drained, dark yellowish-brown loamy soils on	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND	Some areas are subject to overalnd flow;	
87B	Tate loam	footslopes and benches; semi- rounded stones and cobbles make up	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Significant destructive potential during storm	MARGINAL Landscape positions
		5-50% of the soil; developed in recent colluvium from granitic rocks	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	events if at the base of long steep slopes	
			Bearing Capacity:	Mod.				MODERATELY HIGH	rong steep stopes	
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR	
		Very deep, well drained, dark yellowish brown loamy soils on	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE	Some areas are subject to overalnd flow;	
87C	Tate loam	footslopes and benches; semi- rounded stones and cobbles make up	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Significant destructive potential during storm	MARGINAL Landscape positions
		5-50% of the soil mass; developed in recent colluvium from granitic rocks	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	events if at the base of long steep slopes	
			Bearing Capacity:	Mod.				MODERATELY HIGH	3 1	
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR	
		Very deep, well drained, dark yellowish brown loamy soils on steep	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE	Some areas are subject to overalnd flow;	
87D	Tate loam	footslopes; semi-rounded stones and cobbles make up 5-50% of the soil	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Significant destructive potential during storm	MARGINAL Landscape positions
		mass; developed in recent colluvium from granitic rocks	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	events if at the base of long steep slopes	
			Bearing Capacity:	Mod.				MODERATELY HIGH	2010 0111 2121	
		Very deep, well drained yellowish- red loamy - skeletal soils in swales,	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		saddles and drainageways; rock fragments average more than 35% in	Bedrock Depth (in.):	> 60	K Factor (surface):	0.17	Subsoil: Moderate	SECONDARY PASTURE	VERY POOR	MARGINAL
88C	Lew gravelly silt loam, very stony	the soil mass; soil surface is covered by 0.05 – 4% stones with some	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate		Subject to slippage; Unstable when undercut	Slow percolation Lateral graoundwater
		gravels, cobbles and boulders; developed from recent mountain	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		flow
		colluvium of greenstone rock material	Bearing Capacity:	Mod.				MODERATELY HIGH		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Very deep, well drained yellowish- red loamy - skeletal soils on	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		moderately steep back slopes; rock fragments average more than 35% in	Bedrock Depth (in.):	> 60	K Factor (surface):	0.17	Subsoil: Moderate	SECONDARY PASTURE	VERY POOR	MARGINAL Steep slopes
88D	Lew gravelly silt loam, very stony	the soil mass; soil surface is covered by $0.05-4\%$ stones with some	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate		Steep slopes; Subject to slippage; Unstable when	Slow percolation Lateral graoundwater
		gravels, cobbles and boulders; developed from recent mountain	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	undercut	flow
		colluvium of greenstone rock material	Bearing Capacity:	Mod.				MODERATELY HIGH		
		Very deep, well drained yellowish- red loamy - skeletal soils on steep	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
	Lew gravelly silt	back slopes; rock fragments average more than 35% in the soil mass; soil	Bedrock Depth (in.):	> 60	K Factor (surface):	0.17	Subsoil: Moderate	NOT SUITED	VERY POOR Steep slopes; Subject to	NOT SUITED Very steep slopes
88E	loam, very stony	surface is covered by $0.05 - 4\%$ stones with some gravels, cobbles	Watertable Depth (in.): Shrink-Swell	> 40	K Factor (subsoil):	0.15	Substratum: Moderate	FORESTRY	slippage; Unstable when undercut	Slow percolation Lateral graoundwater
		and boulders; developed from recent mountain colluvium of greenstone	Potential:	low	Hydrologic Group:	В		(HARDWOOD)	undercut	flow
		rock material	Bearing Capacity:	Mod.	Erosional Hazard			MODERATE		
		Deep, well drained strong brown loamy-skeletal soils on strongly	Slope (%) Bedrock Depth	7 - 15	Potential:	Mod.	Surface: Moderate	AGRICULTURE SECONDARY		
	Weverton	sloping backslopes and benches; gravels and flagstones range from 15	(in.): Watertable Depth	40 - 60	K Factor (surface):	0.15	Subsoil: Moderate	PASTURE	FAIR	MARGINAL
89C	gravelly loam, very stony	 70% of the soil mass; soil surface is covered with 0.1 – 4% flagstones; 	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.1	Substratum: Moderate Weathered Bedrock:	FORESTRY	Shallow to rock Stoniness	Shallow to rock Stoniness
		formed in colluvium from interbedded quartzite, quartz	Potential:	low	Hydrologic Group:	В	Impermeable	(HARDWOOD) MODERATELY		
		muscovite schist and phyllite	Bearing Capacity:	Mod.	Erosional Hazard			LOW		
		Deep, well drained strong brown loamy-skeletal soils on moderately	Slope (%) Bedrock Depth	15 - 25	Potential:	High	Surface: Moderate	AGRICULTURE SECONDARY		
	Weverton	steep backslopes; gravels and flagstones range from 15 – 70% of	(in.): Watertable Depth	40 - 60	K Factor (surface):	0.15	Subsoil: Moderate	PASTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
89D	gravelly loam, very stony	the soil mass; soil surface is covered with 0.1 – 4% flagstones; formed in	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.1	Substratum: Moderate Weathered Bedrock:	FORESTRY	Steep slopes Stoniness	Steep slopes Stoniness
		colluvium from interbedded quartzite, quartz muscovite schist and	Potential:	low	Hydrologic Group:	В	Impermeable	(HARDWOOD) MODERATELY		
		phyllite	Bearing Capacity:	Mod.	Erosional Hazard	Very		LOW		
		Deep, well drained strong brown loamy-skeletal soils on steep	Slope (%) Bedrock Depth	25 - 45	Potential:	High	Surface: Moderate	AGRICULTURE		
OOE	Weverton	backslopes; gravels and flagstones range from 15 – 70% of the soil	(in.): Watertable Depth	40 - 60	K Factor (surface):	0.15	Subsoil: Moderate	NOT SUITED	POOR Shallow to rock	NOT SUITED Shallow to rock
89E	gravelly loam, very stony	mass; soil surface is covered with 0.1 – 4% flagstones; formed in colluvium	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.1	Substratum: Moderate Weathered Bedrock:	FORESTRY	Very steep slopes Stoniness	Very steep slopes Stoniness
		from interbedded quartzite, quartz muscovite schist and phyllite	Potential:	low	Hydrologic Group:	В	Impermeable	(HARDWOOD) MODERATELY		
			Bearing Capacity:	Mod.				LOW		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEN	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Very deep, moderately well to somewhat poorly drained, yellowish-	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		brown loamy soils with high water tables on nearly level low terraces	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND	POOR May be within 100-year	POOR
93A	Delanco loam	along major streams; developed in old alluvium washed from uplands	Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.28	Substratum: Moderate		floodplain; Rare flooding; intermittent	Flooding potential High water table
		underlain by a wide variety of rocks common to the county	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)	high water table	8
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY HIGH		
		Very deep, moderately well to somewhat poorly drained, yellowish-brown loamy	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		soils with intermittent high water table water tables on gently sloping low terraces	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND	POOR May be within 100-year	POOR
93B	Delanco loam	along major streams; developed in old alluvium washed from uplands underlain by a wide variety of rocks common to the	Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.28	Substratum: Moderate		floodplain; Rare flooding; intermittent	Flooding potential High water table
		county	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)	high water table	<i>3</i>
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY HIGH		
		Very deep, moderately well to somewhat poorly drained, yellowish-brown loamy	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		soils with intermittent high water table water tables on gently sloping low terraces	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE	POOR May be within 100-year	POOR
93C	Delanco loam	along major streams; developed in old alluvium washed from uplands underlain by	Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.28	Substratum: Moderate		floodplain; Rare flooding; intermittent	Flooding potential High water table
		a wide variety of rocks common to the county	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)	high water table	riigii water table
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY HIGH		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, strong brown loamy soils on low terraces	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME CROPLAND	FAIR	MARGINAL
94B	Elsinboro loam	along major streams, developed in old alluvium washed from uplands	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		May be within the 100- year floodplain; Rare	Infrequent flooding hazard
		underlain by a wide variety of rocks common to the county	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	flooding	nazara
			Bearing Capacity:	Mod.				MODERATELY HIGH		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, dark red clayey soils on gently sloping high	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
97B	Goresville loam	river terrace positions; developed in old alluvium washed from uplands	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		GOOD	MARGINAL Slow percolation
		underlain by a wide variety of rocks common to the county	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

	. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEN	-	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE			
		Very deep, well drained, dark red clayey soils on gently sloping high	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND			
97C	Goresville loam	river terrace positions; developed in old alluvium washed from uplands	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		GOOD	MARGINAL Slow percolation	
		underlain by a wide variety of rocks common to the county	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)			
			Bearing Capacity:	Mod.				MODERATE			
100	Mines and Quarries	Disturbed areas of mines and quarries					HIGHLY VARIABLE	Ξ			
		Very deep, poorly drained, gray and yellowish brown clayey soils with	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year		
		high water tables in concave landscapes, along small	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY PASTURE	floodplain; Frequent flooding; Frequent ponding;	NOT SUITED	
110A	10A Mongle Variant silt loam	drainageways and on alluvial fans; developed in recent	Watertable Depth (in.):	0 - 10	K Factor (subsoil):	0.37	Substratum: low		Concentrated runoff from higher areas; Prolonged high	High water table	
		colluvium/alluvium washed from basic and acidic rocks	Shrink-Swell Potential:	High	Hydrologic Group:	С		FORESTRY (HARDWOOD)	water tabl; Overland flow- significant destructive potential during flooding		
		HYDRIC SOIL	Bearing Capacity:	low				MODERATE	events		

	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEN	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Very deep, moderately well to well drained, yellowish-brown to reddish-brown loamy	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR	
		soils with intermittent high water tables in concave uplands and along small	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE	Frequent flooding; Concentrated runoff	NOT SUITED
116B	Meadowville silt loam; very stony	drainageways; 0.1 – 3% stones and cobbles cover the soil surface; developed in recent colluvium and local wash from acid rock	Watertable Depth (in.):	20 - 60	K Factor (subsoil):	0.32	Substratum: Moderate		from higher areas; Intermittent high water	High water table Landscape position
		materials	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	table; Low bearing capacity when wet	Zanaseape position
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.				MODERATE	1 ,	
		Very deep, moderately well to well drained, yellowish-brown to reddish-brown loamy	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR	
		soils with intermittent high water tables in concave uplands and along small	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE	Frequent flooding; Concentrated runoff	NOT SUITED
116C	Meadowville silt loam; very stony	drainageways; 0.1 – 3% stones and cobbles cover the soil surface; developed in recent colluvium and local wash from acid rock	Watertable Depth (in.):	20 - 60	K Factor (subsoil):	0.32	Substratum: Moderate		from higher areas; Intermittent high water	High water table Landscape position
		materials	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	table; Low bearing capacity when wet	
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.				MODERATE	1 ,	
		Very deep, well drained, brown loamy soils in concave swales and	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		along small drainageways; $0.1 - 3\%$ stones and cobbles cover the soil	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE	POOR Frequent flooding;	Nom dymmin
117B	Middleburg loam; very stony	surface; developed in recent colluvium from mixed basic and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Concentrated runoff from higher areas; Low	NOT SUITED Landscape position
		acidic rock	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	bearing capacity when wet	
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.	Farriage I Harris			HIGH		
		Very deep, well drained, brown loamy soils in concave swales and	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; Concentrated runoff from higher areas; Low bearing capacity when	
		along small drainageways; 0.1 – 3% stones and cobbles cover the soil	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		Nom Gramma
117C	Middleburg loam; very stony	surface; developed in recent colluvium from mixed basic and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate	No Program-		NOT SUITED Landscape position
		acidic rock	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		* *
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.				HIGH		

	. UNIT SYMBOL				General Character	ristics		LAND	DEVELOPMENT : PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		PIGEONROOST	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, yellowish-	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
		brown loamy soils on undulating summits and gently sloping backslopes of the Blue Ridge; rock outcrops cover 0.01–0.1% and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		loose stones cover 0.1-3% of the surface; developed in residuum from granite and	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Moderate	FORESTRY (HARDWOOD)		
121B	Pigeonroost – Edneytown	granite gneiss	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE	FAIR Shallow to rock	MARGINAL
1210	Complex, very stony	EDNEYTOWN	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Stoniness	Shallow to rock
		Very deep, well drained, yellowish-brown	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
		loamy soils on undulating summits and gently sloping backslopes of the Blue Ridge; rock outcrops cover 0.01–0.1% and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		loose stones cover 0.1-3% of the surface; developed in residuum from granite and	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		granite gneiss	Bearing Capacity:	Mod.				MODERATE		
		PIGEONROOST	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, yellowish-brown loamy soils on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
		rolling summits and strongly sloping backslopes of the Blue Ridge; rock	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		outcrops cover $0.01 - 0.1\%$ and loose stones cover $0.1 - 3\%$ of the surface;	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Moderate	FORESTRY (HARDWOOD)		
121C	Pigeonroost – Edneytown	developed in residuum from granite and granite gneiss	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE	FAIR Shallow to rock	MARGINAL
1210	Complex, very stony	EDNEYTOWN	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Stoniness	Shallow to rock
		Very deep, well drained, yellowish- brown loamy soils on rolling summits	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
		and strongly sloping backslopes of the Blue Ridge; rock outcrops cover	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		0.01 - 0.1% and loose stones cover $0.1 - 3%$ of the surface; developed in	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		residuum from granite and granite gneiss	Bearing Capacity:	Mod.				MODERATE		

	. UNIT SYMBOL				General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		PIGEONROOST	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, yellowish-brown loamy soils on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
		moderately steep backslopes of the Blue Ridge; rock outcrops cover	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
	Pigeonroost –	0.01–0.1% and loose stones cover 0.1-3% of the surface; developed in residuum from granite and granite	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Moderate Hard Bedrock:	FORESTRY (HARDWOOD)	POOR	
121D	Edneytown Complex, very	gneiss	Bearing Capacity:	Mod.	Erosional Hazard		Impermeable	MODERATE	Steep slopes Shallow to rock	MARGINAL Steep Slopes
	stony	EDNEYTOWN Very deep, well drained, yellowish-	Slope (%) Bedrock Depth	15 - 25	Potential:	High	Surface: Moderate	AGRICULTURE SECONDARY	Stoniness	Shallow to rock
		brown loamy soils on moderately steep backslopes of the Blue Ridge;	(in.): Watertable Depth	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PASTURE		
		rock outcrops cover 0.01–0.1% and loose stones cover 0.1-3% of the	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	FORESTRY		
		surface; developed in residuum from granite and granite gneiss	Potential:	low	Hydrologic Group:	В		(HARDWOOD)		
-		grainte and grainte gnesss	Bearing Capacity:	Mod.	Erosional Hazard	Very		MODERATE		
		Moderately deep, well drained,	Slope (%) Bedrock Depth	25 - 45	Potential:	High	Surface: Moderate	AGRICULTURE		
	Pigeonroost	yellowish-brown loamy soils on steep backslopes of the Blue Ridge; rock	(in.): Watertable Depth	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
121E	loam, very stony	outcrops cover 0.01– 0.1% and loose stones cover 0.1 - 3% of the surface;	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.24	Substratum: Moderate Weathered Bedrock:	FORESTRY	Shallow to rock; Very steep slopes	Very steep slopes Shallow to rock
		developed in residuum from granite and granite gneiss	Potential:	low	Hydrologic Group:	В	Moderate Hard Bedrock:	(HARDWOOD) MODERATELY		
			Bearing Capacity:	Mod.	Erosional Hazard		Impermeable	LOW		
		Moderately deep, excessively well drained light yellowish-brown loamy	Slope (%) Bedrock Depth	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE SECONDARY		
125D	Hazel very stony	soils on undulating summits and gently sloping backslopes; loose	(in.): Watertable Depth	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	PASTURE	POOR Shallow to rock	POOR
125B	loam; rocky	stones cover $0.1-5\%$ and rock outcrop $0.1-3\%$ of the surface;	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	FORESTRY	Stoniness Rock outcrops	Shallow to rock Stoniness
		developed in residuum from meta- arkosic sandstone	Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	(HARDWOOD)		
			Bearing Capacity:	Mod.	Erosional Hazard		Cunfo oo: Modonoto	VERY LOW		
		Moderately deep, excessively well drained light yellowish-brown loamy	Slope (%) Bedrock Depth	7 - 15	Potential:	Mod.	Surface: Moderate Subsoil: Moderate	AGRICULTURE SECONDARY		
125C	Hazel very stony	soils on rolling summits and strongly sloping backslopes; loose stones	(in.): Watertable Depth	20 - 40		0.28	Substratum: Moderate	PASTURE	POOR Shallow to rock	POOR Shallow to rock
1230	loam; rocky	cover 0.1-5% and rock outcrop 0.1 – 3% of the surface; developed in	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.24	Hard Bedrock: low	FORESTRY	Stoniness Rock outcrops	Stoniness
		residuum from meta-arkosic sandstone	Potential: Bearing Capacity:	low	Hydrologic Group:	С	Tana Boulock. 10W	(HARDWOOD) VERY LOW		
			Learning Capacity.	Mod.				, ERT EO		

	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEN	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Moderately deep, excessively well	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		drained light yellowish-brown loamy soils on narrow summits and	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE	POOR Steep slopes	POOR
125D	Hazel very stony loam; rocky	moderately steep backslopes; loose stones cover 0.1-5% and rock	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Shallow to rock Stoniness	Steep slopes Shallow to rock
		outcrop $0.1 - 2\%$ of the surface; developed in residuum from meta-	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	FORESTRY (HARDWOOD)	Rock outcrops	Stoniness
		arkosic sandstone	Bearing Capacity:	Mod.				VERY LOW		
		Moderately deep, excessively well	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		drained light yellowish-brown loamy soils on steep backslopes; loose	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	NOT SUITED	POOR Very steep slopes	NOT SUITED
125E	Hazel very stony loam; rocky	stones cover $0.1-5\%$ and rock outcrop $0.1-2\%$ of the surface;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Shallow to rock Stoniness	Very steep slopes Shallow to rock
		developed in residuum from meta- arkosic sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	FORESTRY (HARDWOOD)	Rock outcrops	Stoniness
			Bearing Capacity:	Mod.				VERY LOW		
		Very deep, well drained, yellowish-	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		brown loamy soils on undulating summits and gently sloping	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
130B	Edneytown loam; stony	backslopes; loose stones cover 0.01- 1% of the soil surface; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		GOOD	GOOD
		residuum from, augen gneiss, granite gneiss and granite	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		8	Bearing Capacity:	Mod.				MODERATE		
		Very deep, well drained, yellowish-	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		brown loamy soils on rolling summits and strongly sloping backslopes;	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND	GOOD	
130C	Edneytown loam; stony	loose stones cover 0.01-1% of the soil surface; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			GOOD
		from, augen gneiss, granite gneiss and granite	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		and Brunte	Bearing Capacity:	Mod.				MODERATE		

	P. UNIT SYMBOL				General Character	istics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		PURCELLVILLE	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, strong	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		brown, fine-silty soils on moderately steep backslopes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		residuum from granite, granite gneiss and granitic schist	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
131D	Purcellville – Tankerville		Bearing Capacity:	Mod.	Erosional Hazard			MODERATELY LOW	FAIR Steep slopes	MARGINAL Steep slopes
	Complex	TANKERVILLE	Slope (%)	15 - 25	Potential:	High	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Moderately deep, well drained, strong	Bedrock Depth (in.): Watertable Depth	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		brown, coarse-loamy soils on moderately steep backslopes;	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	FORECTRY		
		developed in residuum from granite, granite gneiss and granitic schist	Potential:	low	Hydrologic Group:	С	Weathered bedrock: low Hard Bedrock:	FORESTRY (HARDWOOD) MODERATELY		
			Bearing Capacity:	Mod.	Erosional Hazard	Voru	Impermeable	LOW		
			Slope (%)	7 - 15	Potential:	Very High	Surface: Moderate	AGRICULTURE SECONDARY		
	Brinklow variant	Shallow, well drained, yellowish-red silty soils on strongly sloping	Bedrock Depth (in.): Watertable Depth	10 - 20	K Factor (surface):	0.37	Subsoil: Moderate	PASTURE	POOR	NOT SUITED
133C	silt loam	sideslopes; developed in residuum from sericite and biotite schist;	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.32	Substratum: Moderate Weathered Bedrock:	FORESTRY	Shallow to rock	Shallow to rock
		gneiss and phyllites.	Potential:	low	Hydrologic Group:	В	Impermeable Hard Bedrock:	(HARDWOOD)		
			Bearing Capacity:	Mod.	Erosional Hazard	Very	Impermeable	LOW		
			Slope (%)	15 - 25	Potential:	High	Surface: Moderate	AGRICULTURE SECONDARY		
	Brinklow variant	Shallow, well drained, yellowish-red silty soils on moderately steep	Bedrock Depth (in.): Watertable Depth	10 - 20	K Factor (surface):	0.37	Subsoil: Moderate	PASTURE	POOR	NOT SUITED
133D	silt loam	sideslopes; developed in residuum from sericite and biotite schist;	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.32	Substratum: Moderate Weathered Bedrock:	FORESTRY	Steep slopes Shallow to rock	Steep slopes Shallow to rock
		gneiss and phyllites.	Potential:	low	Hydrologic Group:	В	Impermeable Hard Bedrock:	(HARDWOOD)		
			Bearing Capacity:	Mod.	Erosional Hazard	Very	Impermeable	LOW		
			Slope (%) Bedrock Depth	25 - 45	Potential:	High	Surface: Moderate	AGRICULTURE SECONDARY		
	Brinklow variant	Shallow, well drained, yellowish-red silty soils on steep sideslopes;	(in.): Watertable Depth	10 - 20	K Factor (surface):	0.37	Subsoil: Moderate	PASTURE	POOR	NOT SUITED
133E	silt loam	developed in residuum from sericite and biotite schist; gneiss and	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.32	Substratum: Moderate Weathered Bedrock:	FORESTRY	Steep slopes Shallow to rock	Steep slopes Shallow to rock
		phyllites.	Potential:	low	Hydrologic Group:	В	Impermeable Hard Bedrock:	(HARDWOOD)		
			Bearing Capacity:	Mod.			Impermeable	LOW		

	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I	-
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: low	AGRICULTURE		
		Very deep, well drained, brownish- yellow loamy soils on gently sloping	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	PRIME CROPLAND		
134B	Happyland loam	backslopes; developed in residuum from phyllite and meta-monzonite	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low		GOOD	MARGINAL Slow percolation
		granite	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low	F ' 111 1			MODERATELY LOW		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: low	AGRICULTURE		
		Very deep, well drained, brownish- yellow loamy soils on strongly	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY CROPLAND		MADONIAL
134C	Happyland loam	sloping backslopes; developed in residuum from phyllite and meta-	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low		GOOD	MARGINAL Slow percolation
		monzonite granite	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low	F			MODERATELY LOW		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: low	AGRICULTURE		
		Very deep, well drained, brownish- yellow loamy soils on moderately	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	PRIME PASTURE	FAID	MARGINAL
134D	Happyland loam	steep backslopes; developed in residuum from phyllite and meta-	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low	TODUCTON	FAIR Steep slopes	Steep slopes Slow percolation
		monzonite granite	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low	F			MODERATELY LOW		
			Slope (%)	25 - 45	Erosional Hazard Potential:	High	Surface: low	AGRICULTURE		
		Very deep, well drained, brownish- yellow loamy soils on steep	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	NOT SUITED	FAID	MARGINAL
134E	Happyland loam	backslopes; developed in residuum from phyllite and meta-monzonite	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low	FOREGERY	FAIR Steep slopes	Steep slopes Slow percolation
		granite	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		-
			Bearing Capacity:	low	Erosional Hazard			MODERATELY LOW		
		Madametala dasa saali dasiisad seessa	Slope (%)	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown silty soils on undulating	(in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	EAD	POOR
140B	Pignut silt loam	summits and gently sloping backslopes in highly dissected landscapes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate	FOREGREY	FAIR Shallow to rock	Shallow to rock
		from greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

	. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Moderately deep, well drained, strong	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		brown silty soils with few rock outcrops, stones and boulders on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
140C	Pignut silt loam	convex strongly sloping backslopes in highly dissected landscapes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		FAIR Shallow to rock	POOR Shallow to rock
		developed in residuum from greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		Ç	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
		Moderately deep, well drained, strong	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Pignut silty clay	brown silty soils with few rock outcrops, stones and boulders on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
140C3		convex strongly sloping backslopes in highly dissected landscapes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		FAIR Shallow to rock	POOR Shallow to rock
		developed in residuum from greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		greenstone	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown silty soils on moderately steep	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE	FAIR	POOR
140D	Pignut silt loam	backslopes in highly dissected landscapes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Steep slopes Shallow to rock	Steep slopes Shallow to rock
		from greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	bhanow to rock	Shanow to rock
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
			Slope (%)	15 - 25	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
	Pignut silty clay	Moderately deep, well drained, strong brown silty soils on moderately steep	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONSDARY PASTURE	FAIR	POOR
140D3		backslopes in highly dissected landscapes that have been severely	Watertable Depth (in.):	>41	K Factor (subsoil):	0.32	Substratum: Moderate		Steep slopes Shallow to rock	Steep slopes Shallow to rock
	ersaca	eroded; developed in residuum from greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		Shanow to room
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
			Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown silty soils on steep backslopes	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE	FAIR	POOR
140E	Pignut silt loam	in highly dissected landscapes; developed in residuum from	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Very steep slopes Shallow to rock	Very steep slopes Shallow to rock
		greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	Similow to fock	Shahow to fock
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
	Pignut silty clay	Moderately deep, well drained, strong brown silty soils on steep backslopes	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED	NOT SUITED	POOR
140E3	loam, severely	in highly dissected landscapes that have been severely eroded; developed	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Very steep slopes Shallow to rock	Very steep slopes Shallow to rock
	67.5484	in residuum from greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		Shanow to rook
			Bearing Capacity:	Mod.	F : 111 1		Hard Bedrock: Impermeable	LOW		
			Slope (%)	45 - 65	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown silty soils on steep backslopes	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED	VERY POOR	POOR
140F	Pignut silt loam	in highly dissected landscapes; developed in residuum from	Watertable Depth (in.): Shrink-Swell	> 40	K Factor (subsoil):	0.32	Substratum: Moderate Weathered Bedrock:	FOREGERY	Very steep slopes Shallow to rock	Very steep slopes Shallow to rock
		greenstone	Potential:	low	Hydrologic Group:	С	Impermeable Hard Bedrock:	FORESTRY (HARDWOOD) MODERATELY		
			Bearing Capacity:	Mod.			Impermeable	LOW		
		PIGNUT	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown silty soils on strongly sloping	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
		backslopes; surface cover is represented by .01 – 3% stones and	Watertable Depth (in.):	>40	K Factor (subsoil):	0.32	Substratum: Moderate			
		cobbles, and $0 - 0.1\%$ rock outcrop; developed in residuum from	Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
141C	Pignut – Alanthus	greenstone	Bearing Capacity:	Mod.	F ' 1H 1		Hard Bedrock: Impermeable	MODERATELY LOW	POOR Steep slopes	POOR Steep slopes
	Complex, very stony	ALANTHUS	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	Shallow to rock Stoniness	Shallow to rock
		Very deep, well drained, yellowish- red silty soils on strongly sloping	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE	CRY DOD)	
		backslopes; surface cover is represented by .01 – 3% stones and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate	nonvigen		
		cobbles, and $0 - 0.1\%$ rock outcrop; developed in residuum from	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		greenstone	Bearing Capacity:	Mod.				MODERATELY LOW		

	P. UNIT SYMBOL				General Character	ristics		LAND	PROBLE CENTRAL WATER AND CENTRAL SEWER E POOR Steep slopes Shallow to rock Stoniness	POTENTIAL AND AS USING
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		PIGNUT	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown silty soils on moderately steep	(in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
		backslopes; surface cover is represented by .01 – 3% stones and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
		cobbles, and 0 – 0.1% rock outcrop; developed in residuum from	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
141D	Pignut – Alanthus	greenstone	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW	Steep slopes	POOR Steep slopes
1112	Complex, very stony	ALANTHUS	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		Shallow to rock
		Very deep, well drained, yellowish- red silty soils on moderately steep	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
		backslopes; surface cover is represented by .01 – 3% stones and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
		cobbles, and 0 – 0.1% rock outcrop; developed in residuum from	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	<u>/ </u>	
		greenstone	Bearing Capacity:	Mod.				MODERATELY LOW		
		Moderately deep, well drained, strong	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		brown silty soils on steep backslopes; surface cover is	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED	POOR	NOT SUITED
141E	Pignut silt loam; very stony	represented by $.01 - 3\%$ stones and cobbles, and $0 - 0.1\%$ rock outcrop;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Shallow to rock Very steep slopes	Very steep slopes Shallow to rock
		developed in residuum from greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	Stoniness	
		Ü	Bearing Capacity:	Mod.	F : 1W	T.	Hard Bedrock: Impermeable	LOW		
		Moderately deep, well drained, strong	Slope (%)	45 - 65	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		brown silty soils on very steep backslopes; surface cover is	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED	ED VERY POOR Shallow to rock	NOT SUITED
141F	Pignut silt loam; very stony	represented by $.01 - 3\%$ stones and cobbles, and $0 - 0.1\%$ rock outcrop;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Very steep slopes	Very steep slopes Shallow to rock
		developed in residuum from greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	Stoniness	
		<i>g</i> ··· ·········	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		CATOCTIN (Shallow phase)	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Shallow, well drained, olive brown	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		loamy skeletal soils on convex/concave sideslopes and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate			
		summits; developed in residuum from greenstone schist	Shrink-Swell Potential:	low	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	noon	NOT SUITED
148B	Catoctin (Shallow phase) –	Č	Bearing Capacity:	Mod.	F ' 111 1			LOW	POOR Shallow to rock; High	Shallow to rock High water table
	Fletcherville Complex	FLETCHERVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	water table; Shrink- swell clay in subsoil	Shrink-swell clay in subsoil
		Deep, moderately well drained, light	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	PRIME CROPLAND		
		yellowish brown, shrink-swell clay soils on convex/concave sideslopes	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
		and summits; developed in residuum from greenstone schist	Shrink-Swell Potential:	High	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low	F : 111		Hard Bedrock: Impermeable	MODERATELY HIGH		
		CATOCTIN (Shallow phase)	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Shallow, well drained, olive brown,	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		loamy skeletal soils on convex/concave sideslopes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate	HODEGERAL		
		developed in residuum from greenstone schist	Shrink-Swell Potential:	low	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	noon	NOT SUITED
148C	Catoctin (Shallow phase) –	-	Bearing Capacity:	Mod.	Farriage I Harry			LOW	POOR Shallow to rock; High	Shallow to rock High water table
	Fletcherville Complex	FLETCHERVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	water table; Shrink- swell clay in subsoil	Shrink-swell clay in subsoil
		Deep, moderately well drained, light	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	PRIME CROPLAND		
		yellowish brown, shrink-swell clay soils on convex/concave sideslopes;	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
		developed in residuum from greenstone schist	Shrink-Swell Potential:	High	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		-	Bearing Capacity:	low	Erosional Hazard		Hard Bedrock: Impermeable	MODERATELY HIGH		
		Very deep, well drained, micaceous,	Slope (%)	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Glanala laam	dark brown loamy soils on undulating summits and gently sloping backslopes; developed in	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND	GOOD High mica in	
153B3	Glenelg loam, severely eroded	residuum from micaceous acid crystalline rock. Surface layers and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.43	Substratum: Moderate	EODECEDY	substratum may interfere with	GOOD
		portion of subsoil removed by	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	compaction	
		erosion or during site development.	Bearing Capacity:	Mod.				LOW		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Very deep, well drained, micaceous,	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		dark brown loamy soils on rolling summits and strongly sloping	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	GOOD High mica in	
153C3	Glenelg loam, severely eroded	backslopes; developed in residuum from micaceous acid crystalline rock.	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.43	Substratum: Moderate		substratum may interfere with	GOOD
		Surface layers and portion of subsoil removed by erosion or during site	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	compaction	
		development.	Bearing Capacity:	Mod.				LOW		
		Very deep, well drained, micaceous,	Slope (%)	15 - 25	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		dark brown loamy soils on moderately steep backslopes in	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	FAIR Steep slopes;	
153D3	Glenelg loam, severely eroded	dissected uplands; developed in residuum from micaceous acid	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.43	Substratum: Moderate		High mica in substratum may	MARGINAL Steep slopes
		crystalline rock. Surface layers and portion of subsoil removed by	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	interfere with compaction	
		erosion or during site development.	Bearing Capacity:	Mod.				LOW		
			Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, micaceous, yellowish-red loamy soils on steep	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	POOR Very steep slopes;	
153E	Glenelg loam	backslopes in dissected uplands; developed in residuum from mica	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.43	Substratum: Moderate		High mica in substratum may	NOT SUITED Very steep slopes
		schist and mica gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	interfere with compaction	
			Bearing Capacity:	Mod.				MODERATELY LOW		
		Very deep, well drained, micaceous,	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		dark brown loamy soils on steep backslopes in dissected uplands;	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED	POOR Very steep slopes;	
153E3	Glenelg loam, severely eroded	developed in residuum from micaceous acid crystalline rock.	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.43	Substratum: Moderate		High mica in substratum may	NOT SUITED Very steep slopes
		Surface layers and portion of subsoil removed by erosion or during site	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	interfere with compaction	
		development.	Bearing Capacity:	Mod.				LOW		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, grayish-brown silty soils on gently	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
160B	Ott silt loam	sloping backslopes; developed in residuum from purple to bluish-gray	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		FAIR Shallow to rock	POOR Shallow to rock
		thermally altered Triassic shale	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

	. UNIT SYMBOL				General Character	istics		LAND	DEVELOPMENT I PROBLEM	-
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, grayish-brown silty soils on strongly	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
160C	Ott silt loam	sloping backslopes; developed in residuum from purple to bluish-gray	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		FAIR Shallow to rock	POOR Shallow to rock
		thermally altered Triassic shale	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
		Deep, moderately well drained,	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		yellowish-brown clay pan soils with intermittent high water tables on	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.43	Subsoil: low	SECONDARY CROPLAND	VERY POOR High shrink-swell clay	NOT SUITED
163A	Remington silt loam	broad upland flats and concave areas; developed in old alluvial capping	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.43	Substratum: low		layers in the subsoil; Intermittent high Water	High water table Landscape position
		underlain by residuum from thermally-altered Triassic shale and	Shrink-Swell Potential:	Very High	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	table; Low relief	Eunuscape position
		granulite	Bearing Capacity:	low				MODERATELY LOW		
		D 1 (1 111 1 1	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Deep, moderately well drained, yellowish-brown clay pan soils with intermittent high water tables on	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.43	Subsoil: low	SECONDARY CROPLAND	VERY POOR High shrink-swell clay	
163B	Remington silt loam	gently sloping backslopes; developed in old alluvial capping underlain by	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.43	Substratum: low		layers in the subsoil; Intermittent high Water	NOT SUITED High water table
		residuum from thermally-altered Triassic shale and granulite	Shrink-Swell Potential:	Very High	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	table; Low relief	
		Triassic shale and grandine	Bearing Capacity:	low				MODERATELY LOW		
		Deep, moderately well drained,	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		yellowish-brown clay pan soils with intermittent high water tables on	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.43	Subsoil: low	SECONDARY CROPLAND	VERY POOR High shrink-swell clay	
163C	Remington silt loam	strongly sloping backslopes; developed in old alluvial capping	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.43	Substratum: low		layers in the subsoil; Intermittent high Water	NOT SUITED High water table
		underlain by residuum from thermally-altered Triassic shale and	Shrink-Swell Potential:	Very High	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	table	
		granulite	Bearing Capacity:	low				MODERATELY LOW		
		Moderately deep, well drained,	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Oakhill-Rock	yellowish-red loamy soils with more than 35% rock fragments in the soil	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
164B	Outcrop Complex	mass and 10 – 25% rock outcrops on gently sloping backslopes; soil	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		Rock outcrops; Stones and boulders	Rock outcrops Shalllow to rock
	Complex	surface is covered by 0.01 – 0.2% stones and cobbles; developed in	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	and obtained	Stone content
		residuum from basalt	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Moderately deep, well drained,	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Oakhill-Rock	yellowish-red loamy soils with more than 35% rock fragments in the soil	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
164C	Outcrop Complex	mass and 10 – 25% rock outcrops on strongly sloping backslopes; soil	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		Rock outcrops Stones and boulders	Rock outcrops Shalllow to rock
	2 F	surface is covered by 0.01 – 0.2% stones and cobbles; developed in	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		Stone content
		residuum from basalt	Bearing Capacity:	Mod.	F ' 111 1		Hard Bedrock: Impermeable	MODERATELY LOW		
		Moderately deep, well drained,	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
	Oakhill-Rock	yellowish-red loamy soils with more than 35% rock fragments in the soil mass and 10 – 25% rock outcrops on	Bedrock Depth (in.): Watertable Depth	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	NOT SUITED	VERY POOR Steep slopes	NOT SUITED Steep slopes
164D	Outcrop Complex	moderately steep and steep backslopes; soil surface is covered by	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.28	Substratum: Moderate Weathered Bedrock:	FORESTRY	Rock outcrops Stones and boulders	Rock outcrops Shalllow to rock
		0.01 – 0.2% stones and cobbles; developed in residuum from basalt	Potential:	low	Hydrologic Group:	В	Impermeable Hard Bedrock:	(HARDWOOD) MODERATELY	Stolies and bounders	Stone content
		developed in residualii from basan	Bearing Capacity:	Mod.	Erosional Hazard		Impermeable	LOW		
			Slope (%) Bedrock Depth	0 - 2	Potential:	Slight	Surface: Moderate	AGRICULTURE PRIME		
1.55.	Haymarket silt	Very deep, well drained, dark brown clayey soils on nearly level summits;	(in.): Watertable Depth	> 60	K Factor (surface):	0.37	Subsoil: Moderate	CROPLAND	POOR	POOR
167A	loam	developed in residuum from Triassic diabase and basalt	(in.): Shrink-Swell	> 40 Very	K Factor (subsoil):	0.2	Substratum: Moderate	FORESTRY	High shrink-swell clay in the subsoil	Slow percolation
			Potential:	High	Hydrologic Group:	D		(HARDWOOD)		
			Bearing Capacity:	low	Erosional Hazard			MODERATE		
		Very deep, well drained, dark brown	Slope (%) Bedrock Depth	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE PRIME		
167B	Haymarket silt	clayey soils on undulating summits and gently sloping backslopes;	(in.): Watertable Depth	> 60	K Factor (surface):	0.37	Subsoil: Moderate Substratum: Moderate	CROPLAND	POOR High shrink-swell clay	POOR
107B	loam	developed in residuum from Triassic diabase and basalt	(in.): Shrink-Swell	> 40 Very	K Factor (subsoil):	0.32	Substratum, Woderate	FORESTRY	in the subsoil	Slow percolation
		diabase and busine	Potential: Bearing Capacity:	High	Hydrologic Group:	D		(HARDWOOD) MODERATE		
		MONTALTO	Slope (%)	low	Erosional Hazard) / 1	Surface: Moderate	AGRICULTURE		
		MONTALTO	Bedrock Depth	7 - 15 > 60	Potential: K Factor (surface):	Mod. 0.32	Subsoil: Moderate	SECONDARY CROPLAND		
		Very deep, well drained, red clayey soils on strongly sloping backslopes;	(in.): Watertable Depth (in.):	> 40	K Factor (surface): K Factor (subsoil):	0.32	Substratum: Moderate	CKUPLAND		
		developed in residuum from Triassic diabase and basalt	Shrink-Swell Potential:	Mod.	Hydrologic Group:	C C		FORESTRY (HARDWOOD)		
167C	Montalto and		Bearing Capacity:	low	,			MODERATE	POOR High chrink-swell clay	MARGINAL

	. UNIT SYMBOL			•	General Character	ristics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
10/0	Haymarket soils	HAYMARKET	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	in subsoil	Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
		Very deep, well drained, dark brown clayey soils on strongly sloping	Watertable Depth (in.):	>40	K Factor (subsoil):	0.2	Substratum: Moderate			
		backslopes; developed in residuum from Triassic diabase and basalt	Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
<u> </u>			Bearing Capacity:	low	Erosional Hazard			MODERATE		
		MONTALTO	Slope (%)	7 - 15	Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey	Bedrock Depth (in.): Watertable Depth	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		soils and/or dark brown clayey soils on strongly sloping backslopes;	(in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	TO DECEMBE		
		developed in residuum from Triassic diabase and basalt	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
167C3	Montalto and Haymarket soils;		Bearing Capacity:	low	F ' 111 1			MODERATELY HIGH	POOR High shrink-swell clay	MARGINAL
	severely eroded	HAYMARKET	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	in subsoil	Slow percolation
		Very deep, well drained, red clayey	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
		soils and/or dark brown clayey soils on strongly sloping backslopes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.2	Substratum: Moderate			
		developed in residuum from Triassic diabase and basalt	Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low	F ' 111 1			MODERATELY HIGH		
		Very deep, moderately well drained	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		to somewhat poorly, yellowish brown to olive brown clay pan soils with	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	POOR	
168B	Haymarket silt loam, stony	intermittent high water tables on undulating summits and gently	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		High shrink-swell clay in the subsoil; large	POOR Slow percolation
		sloping backslopes; soil surface is covered by 0.2 – 4% stones and 0 – 0.05% boulders; developed in	Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)	amounts of stones and boulders on surface	
		residuum from diabase and basalt	Bearing Capacity:	low				MODERATE		
		Deep, moderately well drained,	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		strong brown loamy over clayey soils on nearly level summits and		40 - 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND	POOR	
170A	Mt. Lucas Variant loam	footslopes; developed in colluvium over residuum from basalt and	. ,	20 - 40	K Factor (subsoil):	0.28	Substratum: low		Intermittent high water tabl; Shrink-swell clay	NOT SUITED High water table
		diabase	Shrink-Swell Potential:	High	Hydrologic Group:	С	Hard bedrock: Impermeable	FORESTRY (HARDWOOD)	in lower subsoil	

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE		
		Deep, moderately well drained,	Slope (%)	2 - 7	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		strong brown loamy over clayey soils on undulating summits and gently	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND	POOR	
170B	Mt. Lucas Variant loam	sloping footslopes; developed in colluvium over residuum from basalt	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low		Intermittent high water tabl; Shrink-swell clay	NOT SUITED High water table
		and diabase	Shrink-Swell Potential:	High	Hydrologic Group:	С	Hard bedrock: Impermeable	FORESTRY (HARDWOOD)	in lower subsoil	
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Panorama	Very deep, well drained, dark reddish- brown silty soils on undulating	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	FAIR Low bearing capacity	
171B	Variant very gravelly silt loam	summits and broad, gently sloping backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		when wet due to high silt content; Very	MARGINAL Slow percolation
	gravery sit toain	from red Triassic shale and sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	gravelly surface	
			Bearing Capacity:	low				MODERATE		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Panorama	Very deep, well drained, dark reddish- brown silty soils on rolling summits	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	FAIR Low bearing capacity	
171C	Variant very gravelly silt loam	and strongly sloping backslopes; developed in residuum from red	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		when wet due to high silt content; Very	MARGINAL Slow percolation
	gravery one roun	Triassic shale and sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	gravelly surface	
			Bearing Capacity:	low				MODERATE		
			Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
	Penn gravelly silt	Moderately deep, moderately well drained, reddish-brown silty soils on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND	FAIR	POOR
173A	loam; (WET PHASE)	nearly level summits and upper backslopes; developed in residuum	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate		Intermittent high water table	High water table Shallow to rock
		from Triassic siltstone, shale and conglomerate	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	Shallow to rock	
			Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY LOW		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Penn gravelly silt	Moderately deep, moderately well drained, reddish-brown silty soils on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND	FAIR	POOR
173B	loam; (WET PHASE)	undulating summits and gently sloping backslopes, developed in	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate		Intermittent high water table	High water table Shallow to rock
		residuum from Triassic siltstone and shale	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	Shallow to rock	

MAI	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	-
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY LOW		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Penn gravelly silt	Moderately deep, moderately well drained, reddish-brown silty soils on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE	FAIR	POOR
173C		rolling summits and strongly sloping backslopes, developed in residuum	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate		Intermittent high water table	High water table Shallow to rock
	(((222222)	from Triassic siltstone and shale	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	Shallow to rock	Shanow to rock
			Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY LOW		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, moderately well drained, yellowish-brown silty soils	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE	FAIR	POOR
174B	Ashburn very gravelly silt loam	with intermittent high water tables on gently sloping landscapes; developed	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate	TODUCTON	Intermittent high water table	High water table Shallow to rock
		from thin fluvial capping over Triassic siltstone	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	Shallow to rock	
			Bearing Capacity:	low	F			MODERATELY LOW		
		V 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Clavery	Very deep, well drained, red to dark red clayey soils on undulating	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND	FAIR	MARGINAL
175B	Clover very gravelly silt loam	summits and gently sloping backslopes; developed in residuum from Triassic siltstone and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	EODECEDY	Very gravelly surface	Slow percolation
		conglomerate	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	Erosional Hazard			MODERATE		
		Moderately deep, moderately well	Slope (%) Bedrock Depth	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Oatlands very gravelly silt	drained, strong brown to reddish- brown loamy soils on undulating	(in.): Watertable Depth	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	PRIME PASTURE	FAIR Intermittent high water	POOR
176B	loam; (WET PHASE)	summits and gently sloping backslopes; developed in residuum		20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate	FORESTRY	table; Shallow to rock; Very gravelly surfaces	High water table Shallow to rock
	THASE)	from Triassic siltstone and conglomerate	Potential:	low	Hydrologic Group:	В	Hard Bedrock: low	(HARDWOOD) MODERATELY	very graverry surfaces	
		Moderately deep, somewhat poorly	Bearing Capacity:	low	Erosional Hazard			LOW		
		drained, yellowish-brown mottled with gray loamy soils with	Slope (%) Bedrock Depth	0 - 2	Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR	
	Dulles Variant	intermittent high water tables in concave landscapes (swales) and	(in.): Watertable Depth	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE	May be within 100-year floodplain; High water	NOT SUITED
178A	silt loam	drainageways; developed in local alluvium washed from Triassic	(in.): Shrink-Swell	10 - 20	K Factor (subsoil):	0.32	Substratum: Moderate Weathered Bedrock:	FORESTRY	table; Low relief; Low bearing capacity when	High water table Landscape position
		uplands	Potential:	Mod.	Hydrologic Group:	D	Impermeable	(HARDWOOD)	wet due to high silt	

MAP	. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I	
i	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		May have Hydric Soil inclusions	Bearing Capacity:	low				LOW	content	
		Moderately deep, somewhat poorly drained, yellowish-brown mottled	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR	
		with gray loamy soils with intermittent high water table water	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE	May be within 100-year floodplain; High water	NOT SUITED
178B	Dulles Variant silt loam	tables in concave landscapes (swales) and drainageways; developed in local	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.32	Substratum: Moderate		table; Low relief; Low bearing capacity when	High water table Landscape position
		alluvium washed from Triassic uplands	Shrink-Swell Potential:	Mod.	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	wet due to high silt	
		May have Hydric Soil inclusions	Bearing Capacity:	low				LOW		
		Moderately deep, poorly drained,	Slope (%)	0 - 2	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR	
	A11 37 1	gray loamy soils with high water tables in concave landscapes (swales)		20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE	May be within 100-year floodplain; High water	NOT SUITED
179A	Albano Variant silt loam	and drainageways; developed in local alluvium washed from Triassic	Watertable Depth (in.):	0 - 10	K Factor (subsoil):	0.32	Substratum: Moderate	TO DUCKENY	table; Low relief; Low bearing capacity when	High water table Landscape position
		uplands	Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	wet due to high silt content and shrink-swell	
		HYDRIC SOIL	Bearing Capacity:	low				LOW	clay in the subsoil	
		Very deep, moderately well drained, yellowish-brown loamy soils on	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	D 1 1	footslopes and toeslopes of mountains and in broad gently	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE	FAIR	DOOD
181B	Brumbaugh loam; very stony	sloping interfluves; semi-rounded stones make up 5-50% of the soil	(/	20 - 40	K Factor (subsoil):	0.2	Substratum: low	TO DUCKENY	Intermittent high water table	POOR High water table
		surface; 0.1–3% stones cover the soil surface; developed in old mountain	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	Stoniness	
		colluvium from mixed acidic and basic rocks	Bearing Capacity:	Mod.	F			MODERATELY LOW		
		Very deep, well drained, reddish-	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	D d.11.	brown clayey soils on footslopes, broad, undulating summits and	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME CROPLAND		MADCINIAL
183B	Braddock gravelly loam	gently sloping backslopes; rounded stones make up 0 - 50% of the soil	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	EODECEDY	GOOD	MARGINAL Slow percolation
		mass; developed in old colluvium from mixed acidic and basic rocks	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low	Erosional Hazard			MODERATELY HIGH		
		Very deep, well drained reddish-	Slope (%)	7 - 15	Potential:	Mod.	Surface: Moderate	AGRICULTURE SECONDARY		
	Braddock	brown clayey soils on footslopes, broad, rolling summits and strongly	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	CROPLAND		MARGINAL
183C	gravelly loam	sloping backslopes; rounded stones make up 0 - 50% of the soil mass;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	EODEGEDA	GOOD	Slow percolation
		developed in old colluvium from mixed acidic and basic rocks	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		

MAP	. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		mixed acidic and basic focks	Bearing Capacity:	low				MODERATELY HIGH		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained reddish- brown clayey soils on steep	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE		MARGINAL
183D	Braddock gravelly loam	backslopes; rounded stones make up 0 - 50% of the soil mass; developed	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		FAIR Steep slopes	Slow percolation Steep slopes
		in old colluvium from mixed acidic and basic rocks	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		1 1
			Bearing Capacity:	low	Erosional Hazard			MODERATELY HIGH		
		Very deep, well drained, dark	Slope (%) Bedrock Depth	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE SECONDARY	POOR	
	Tate loam; very	yellowish-brown soils on gently sloping footslopes and benches; semi-	(in.): Watertable Depth	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PASTURE	Subject to overland flow; significant	MARGINAL
187B	stony	rounded stones and cobbles make up 5-50% of the soil; 0.1-3% stones	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	FORESTRY	destructive potential during storm event;	Landscape position
		cover the soil surface; developed in recent colluvium from granitic rocks	Potential:	low	Hydrologic Group:	В		(HARDWOOD)	stoniness	
			Bearing Capacity:	Mod.	Erosional Hazard			MODERATE		
		Very deep, well drained, dark	Slope (%) Bedrock Depth	7 - 15	Potential:	Mod.	Surface: Moderate	AGRICULTURE SECONDARY	POOR	
	Tate loam; very	yellowish-brown soils on strongly sloping footslopes and benches; semi-	(in.): Watertable Depth	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PASTURE	Subject to overland flow; significant	MARGINAL
187C	stony	rounded stones and cobbles make up 5-50% of the soil; 0.1-3% stones	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	FORESTRY	destructive potential during storm event;	Landscape position
		cover the soil surface; developed in recent colluvium from granitic rocks	Potential:	low	Hydrologic Group:	В		(HARDWOOD)	stoniness	
			Bearing Capacity:	Mod.	Erosional Hazard			MODERATE		
		Very deep, well drained, dark	Slope (%) Bedrock Depth	15 - 25	Potential:	High	Surface: Moderate	AGRICULTURE SECONDARY	POOR	
	Tate loam; very	yellowish-brown soils on moderately steep footslopes and backslopes; semi-	(in.): Watertable Depth	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PASTURE	Subject to overland flow; significant	MARGINAL
187D	stony	rounded stones and cobbles make up 5-50% of the soil; 0.1-3% stones	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	FORESTRY	destructive potential during storm event;	Landscape position Steep slopes
		cover the soil surface; developed in recent colluvium from granitic rocks	Potential:	low	Hydrologic Group:	В		(HARDWOOD)	stoniness; Steep slopes	
			Bearing Capacity:	Mod.	Erosional Hazard			MODERATE		
		Deep, well drained, strong brown	Slope (%) Bedrock Depth	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE SECONDARY		
	Weverton	loamy-skeletal soils on gently sloping backslopes and benches; gravels and	(in.): Watertable Depth	40 - 60	K Factor (surface):	0.15	Subsoil: Moderate	CROPLAND		MARGINAL
189B	gravelly loam	flagstones range from $15 - 70\%$ of the soil mass; formed in colluvium	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.1	Substratum: Moderate Weathered Bedrock:	FORESTRY	GOOD	Shallow to rock
		from interbedded quartzite, quartz	Potential:	low	Hydrologic Group:	C	Impermeable	(HARDWOOD)		

MAP	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEN	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	LAND POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		muscovite semst and phymic	Bearing Capacity:	Mod.				MODERATELY LOW		
		Deep, well drained strong brown	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		loamy-skeletal soils on strongly sloping backslopes and benches;	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.15	Subsoil: Moderate	PRIME PASTURE		
189C	Weverton gravelly loam	gravels and flagstones range from 15 - 70% of the soil mass; formed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate		GOOD	MARGINAL Shallow to rock
		colluvium from interbedded quartzite, quartz muscovite schist and	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		phyllite	Bearing Capacity:	Mod.				MODERATELY LOW		
		Deep, well drained strong brown	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		loamy-skeletal soils on moderately steep backslopes and benches;	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.15	Subsoil: Moderate	PRIME PASTURE	F1.F0	MARGINAL
189D	Weverton gravelly loam	gravels and flagstones range from 15 - 70% of the soil mass; formed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate		FAIR Steep slopes	Shallow to rock Steep slopes
		colluvium from interbedded quartzite, quartz muscovite schist and	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weatherred Bedrock: Impermeable	FORESTRY (HARDWOOD)		week seekes
		phyllite	Bearing Capacity:	Mod.				MODERATELY LOW		
200	Cut and/or Fill	Disturbed areas of cutting and/ or filling					HIGHLY VARIABLE	Ξ		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown coarse-loamy soils on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
220B	Tankerville loam	undulating summits and gently sloping backslopes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		FAIR Shallow to rock	POOR Shallow to rock
		residuum from granite, schist and gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown coarse-loamy soils on rolling	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
220C	Tankerville loam	summits and strongly sloping backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		FAIR Shallow to rock	POOR Shallow to rock
		from granite, schist and gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE	₽∩∩₽	₽∩∩R

	P. UNIT SYMBOL				General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
220D	Tankerville loam	moderately steep backslopes; developed in residuum from granite,	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Steep slopes Shallow to rock	Steep slopes Shallow to rock
		schist and gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	Shanow to rock	Shanow to fock
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
			Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	VERY POOR	NOT SUITED
220E	Tankerville loam	brown coarse-loamy soils on steep backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Very steep slopes Shallow to rock	Very steep slopes Shallow to rock
		from granite, schist and gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	Shanow to fock	Shanow to lock
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEN	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL FI	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	45 - 65	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown coarse-loamy soils on very	(1n.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
220F	Tankerville loam	steep backslopes; developed in residuum from granite, schist and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Very steep slopes; Shallow to rock	Very steep slopes Shallow to rock
		gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	F : 111 1		Hard Bedrock: Impermeable	LOW		
		Moderately deep, well drained, dark	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
	Pigeonroost –	yellowish-brown loamy soils on moderately steep backslopes of the	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE	VERY POOR	NOT SUITED
221D	Rock-Outcrop Complex	Blue Ridge; rock outcrops cover 5 – 15% and loose stones cover 10-40%	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Steep slopes Rock outcrop	Steep slopes Rock outcrop
	-	of the surface; developed in residuum from granite and granite gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Moderate	FORESTRY (HARDWOOD)	•	·
			Bearing Capacity:	Mod.	F1 H1	**	Hard Bedrock: Impermeable	LOW		
		Moderately deep, well drained, dark	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
	Pigeonroost –	yellowish-brown loamy soils on steep backslopes of the Blue Ridge; rock	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE	VERY POOR	NOT SUITED
221E	Rock-Outcrop Complex	outcrops cover $5 - 15\%$ and loose stones cover 10-40% of the surface;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	FORESTRY	Very steep slopes Rock outcrop	Very steep slopes Rock outcrop
		developed in residuum from granite and granite gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Moderate	(HARDWOOD)		
			Bearing Capacity:	Mod.	Erosional Hazard		Hard Bedrock: Impermeable	LOW		
		Moderately deep, excessively	Slope (%)	15 - 25	Potential:	High	Surface: Moderate	AGRICULTURE		
	Hazel-Rock	drained, yellowish-brown loamy soils and 10 – 25% rock outcrops on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	VERY POOR	NOT SUITED
225D	Outcrop Complex	moderately steep backslopes; loose stones and cobbles cover 1-45% of	Watertable Depth (in.):	>40	K Factor (subsoil):	0.24	Substratum: Moderate	FORESTRY	Rock outcrops Steep slopes	Rock outcrops Steep slopes
		the surface; developed in residuum from arkosic sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	(HARDWOOD)		
			Bearing Capacity:	Mod.	Erosional Hazard	Very		LOW		
		Moderately deep, excessively	Slope (%)	25 - 45	Potential:	High	Surface: Moderate	AGRICULTURE		
	Hazel-Rock	drained, yellowish-brown loamy soils and $10-25\%$ rock outcrops on steep	Bedrock Depth (in.): Watertable Depth	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED	NOT SUITED	NOT SUITED
225E	Outcrop Complex	backslopes; loose stones and cobbles cover 1-45% of the surface;	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	FORESTRY	Very steep slopes Rock outcrops	Rock outcrops Very steep slopes
		developed in residuum from arkosic sandstone	Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	(HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		

	. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Moderately door everesively	Slope (%)	45 - 65	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
	Hazel-Rock	Moderately deep, excessively drained, yellowish-brown loamy soils and 10 – 25% rock outcrops on very	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED	NOT SUITED	NOT SUITED
225F	Outcrop Complex	steep backslopes; loose stones and cobbles cover 1-45% of the surface;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Very steep slopes Rock outcrops	Rock outcrops Very steep slopes
	2 v F	developed in residuum from arkosic sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	FORESTRY (HARDWOOD)	2.00.0	v 11) story story
			Bearing Capacity:	Mod.				LOW		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red loamy soils on undulating summits and	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
228B	Eubanks loam	gently sloping backslopes; developed in residuum from sheared granite or	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		GOOD	MARGINAL Slow percolation
		granodiorite intruded by dikes of greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		Ü	Bearing Capacity:	Mod.	, , ,			MODERATELY HIGH		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red loamy soils on rolling summits and strongly	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
228C	Eubanks loam	sloping backslopes; developed in residuum from sheared granite or	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		GOOD	MARGINAL Slow percolation
		granodiorite intruded by dikes of greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red loamy soils on moderately steep backslopes;	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		MARGINAL
228D	Eubanks loam	developed in residuum from sheared granite or granodiorite intruded by	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		FAIR Steep slopes	Slow percolation Steep slopes
		dikes of greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		Steep slopes
			Bearing Capacity:	Mod.				MODERATELY HIGH		
		EDNEYTOWN	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME CROPLAND		
		brown loamy soil on undulating summits in dissected landscapes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		developed in residuum from coarse- textured granite and granite gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
230B	Edneytown – Chestnut	and grame givens	Bearing Capacity:	Mod.				MODERATE	FAIR	MARGINAL

MA	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
2300	Complex	CHESTNUT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Moderately deep, well drained dark	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY CROPLAND		
		brown coarse-loamy soil on undulating summits in dissected	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		landscapes; developed in residuum from coarse-textured granite and	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: low	FORESTRY (HARDWOOD)		
		granite gneiss	Bearing Capacity:	Mod.				MODERATELY LOW		

	. UNIT SYMBOL				General Character	istics		LAND	DEVELOPMENT : PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		EDNEYTOWN	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
		brown loamy soil on rolling summits and strongly sloping backslopes in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		dissected landscapes; developed in residuum from coarse-textured	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
230C	Edneytown – Chestnut	granite and granite gneiss	Bearing Capacity:	Mod.				MODERATE	FAIR	MARGINAL
230C	Complex	CHESTNUT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Moderately deep, well drained dark	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	PRIME PASTURE		
		brown coarse-loamy soil on rolling summits and strongly sloping	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		backslopes in dissected landscapes; developed in residuum from coarse-	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: low	FORESTRY (HARDWOOD)		
		textured granite and granite gneiss	Bearing Capacity:	Mod.				MODERATELY LOW		
		EDNEYTOWN	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE		
		brown loamy soil on moderately steep backslopes in dissected	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		landscapes; developed in residuum from coarse-textured granite and	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
230D	Edneytown – Chestnut	granite gneiss	Bearing Capacity:	Mod.				MODERATE	FAIR Steep slopes	MARGINAL Steep slopes
2302	Chestnut Complex	CHESTNUT	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Moderately deep, well drained, dark	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY PASTURE		
		brown coarse-loamy soil on moderately steep backslopes in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: low	FORESTRY (HARDWOOD)		
		granite and granite gneiss	Bearing Capacity:	Mod.				MODERATELY LOW		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		EDNEYTOWN	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
		brown loamy soil on steep backslopes in dissected landscapes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		residuum from coarse-textured granite and granite gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
230E	Edneytown – Chestnut	<i>g g g</i>	Bearing Capacity:	Mod.		V		MODERATE	POOR Very steep slopes	NOT SUITED Very steep slopes
	Complex	CHESTNUT	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Moderately deep, well drained dark	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY PASTURE		
		brown coarse-loamy soil on steep backslopes in dissected landscapes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		developed in residuum from coarse- textured granite and granite gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	F ' 111 1			MODERATELY LOW		
		Very deep, somewhat poorly drained, mottled brownish-yellow fragipan	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		soils with intermittent high water tables on broad, nearly level summits	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	PRIME PASTURE	FAIR	POOR
238A	Belvoir loam	and slight depressions; developed in local colluvium and residuum from	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low	TO DUCKENY	Intermittent high water table	High water table Fragipan
		granitic rocks	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low	Farriage I Harred			MODERATE		
		Very deep, somewhat poorly drained, mottled brownish-yellow fragipan	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		soils with intermittent high water tables on broad, undulating summits	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	PRIME PASTURE	FAIR	POOR
238B	Belvoir loam	and slight depressions; developed in local colluvium and residuum from	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low	FOREGERY	Intermittent high water table	High water table Fragipan
		granitic rocks	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low	Erosional Hazard			MODERATE		
		Very deep, somewhat poorly drained, mottled brownish-yellow fragipan	Slope (%)	7 - 15	Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		soils with intermittent high water tables on broad, rolling summits and	Bedrock Depth (in.): Watertable Depth	> 60	K Factor (surface):	0.37	Subsoil: low	PRIME PASTURE	FAIR	POOR
238C	Belvoir loam	slight depressions; developed in local colluvium and residuum from	(in.): Shrink-Swell	10 - 20	K Factor (subsoil):	0.28	Substratum: low	FORESTRY	Intermittent high water table	High water table Fragipan
		granitic rocks	Potential:	Mod.	Hydrologic Group:	С		(HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE		

	. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Catoctin silt	Shallow, well drained, olive brown, loamy- skeletal soils on gently	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
240B	loam (shallow phase)	sloping backslopes; may have a few cobbles and/or stones on the surface;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate		POOR Shallow to rock	NOT SUITED Shallow to rock
	(shanow phase)	developed in residuum from greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Catoctin silt	Shallow, well drained, olive brown, loamy- skeletal soils on strongly	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
240C	loam (shallow phase)	sloping backslopes; may have a few cobbles and/or stones on the surface;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate		POOR Shallow to rock	NOT SUITED Shallow to rock
	(developed in residuum from greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW	<u>)D)</u>	
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
	Catoctin silt	Shallow, well drained, olive brown, loamy- skeletal soils on moderately	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	POOR	NOT SUITED
240D	loam (shallow phase)	steep backslopes; may have a few cobbles and/or stones on the surface;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate		Steep slopes; Shallow to rock	Steep slopes Shallow to rock
	(developed in residuum from greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
			Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
	Catoctin silt	Shallow, well drained, olive brown, loamy- skeletal soils on steep	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	POOR	NOT SUITED
240E	loam (shallow phase)	backslopes; may have a few cobbles and/or stones on the surface;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate		Very steep slopes; Shallow to rock	Very steep slopes Shallow to rock
	(F106)	developed in residuum from greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		

	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		ALANTHUS	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
		red silty soils on undulating summits; soil surface may contain a few	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
		cobbles and/or stones; developed in residuum from greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
241B	Alanthus– Pignut	_	Bearing Capacity:	Mod.				MODERATELY HIGH	FAIR	MARGINAL
2410	Complex	PIGNUT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Moderately deep, well drained, strong	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
		brown silty soils on undulating summits; soil surface may contain a	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
		few cobbles and/or stones; developed in residuum from greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE		
		ALANTHUS	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
		red silty soils on undulating summits that have been severely eroded; soil	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
		surface may contain a few cobbles and/or stones; developed in residuum	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
241B3	Alanthus – Pignut Complex;	from greenstone	Bearing Capacity:	Mod.	F ' 111 1			MODERATE	FAIR	MARGINAL
	severely eroded	PIGNUT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Moderately deep, well drained, strong		20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
		brown silty soils on undulating summits that have been severely	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate	non-zame-		
		eroded; soil surface may contain a few cobbles and/or stones; developed	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		in residuum from greenstone	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

	. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		ALANTHUS	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
		red silty soils on rolling summits and strongly sloping backslopes; soil	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
		surface may contain a few cobbles and/or stones; developed in residuum	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
241C	Alanthus –	from greenstone	Bearing Capacity:	Mod.	, , ,	В		MODERATELY HIGH	FAIR	MARGINAL
2410	Pignut Complex	PIGNUT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Moderately deep, well drained, strong		20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
		brown silty soils on rolling summits and strongly sloping backslopes; soil	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
		surface may contain a few cobbles and/or stones; developed in residuum	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		from greenstone	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE		
		ALANTHUS	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- red silty soils on rolling summits and	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
		strongly sloping backslopes that have been severely eroded; soil surface	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
		may contain a few cobbles and/or stones; developed in residuum from	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
2/1C3	Alanthus – Pignut Complex;	greenstone	Bearing Capacity:	Mod.				MODERATE	FAIR	MARGINAL
24103	severely eroded	PIGNUT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Moderately deep, well drained, strong brown silty soils on rolling summits	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
		and strongly sloping backslopes that have been severely eroded; soil	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
		surface may contain a few cobbles and/or stones; developed in residuum	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		from greenstone	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

	. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEN	
,	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		PIGNUT	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong		20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
		brown silty soils on moderately steep backslopes; soil surface may contain	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
		a few cobbles and/or stones; developed in residuum from	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
241D	Pignut – Alanthus	greenstone	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE	POOR Shallow to rock; Steep	POOR Shallow to rock
2410	complex	ALANTHUS	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	slopes	Steep slopes
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
		red silty soils on moderately steep backslopes; soil surface may contain	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
		a few cobbles and/or stones; developed in residuum from	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		greenstone	Bearing Capacity:	Mod.				MODERATELY HIGH		
		PIGNUT	Slope (%)	15 - 25	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong		20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
		brown silty soils on moderately steep backslopes; soil surface may contain	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
		a few cobbles and/or stones; developed in residuum from	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
241D3	Pignut – Alanthus	greenstone	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW	POOR Shallow to rock; Steep	POOR Shallow to rock
241D3	Complex; severely eroded	ALANTHUS	Slope (%)	15 - 25	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	slopes	Steep slopes
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
		red silty soils on moderately steep backslopes; soil surface may contain	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
		a few cobbles and/or stones; developed in residuum from	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		greenstone	Bearing Capacity:	Mod.				MODERATE		

	. UNIT SYMBOL				General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		PIGNUT	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
		brown silty soils on steep backslopes; soil surface may contain a few	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
		cobbles and/or stones; developed in residuum from greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
241E	Pignut – Alanthus		Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW	VERY POOR Shallow to rock; Very	NOT SUITED Shallow to rock
2112	Complex	ALANTHUS	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	steep slopes	Very steep slopes
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
		red silty soils on steep backslopes; soil surface may contain a few	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
		cobbles and/or stones; developed in residuum from greenstone	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		C	Bearing Capacity:	Mod.				MODERATE		
		PIGNUT	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
		brown silty soils on steep backslopes that have been severely eroded; soil	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
		surface may contain a few cobbles and/or stones; developed in residuum	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
241E3	Pignut – Alanthus	from greenstone	Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW	VERY POOR Shallow to rock; Very	NOT SUITED Shallow to rock
	Complex; severely eroded	ALANTHUS	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	steep slopes	Very steep slopes
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
		red silty soils on steep backslopes that have been severely eroded; soil	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
		surface may contain a few cobbles and/or stones; developed in residuum	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	<u> </u>	
		from greenstone	Bearing Capacity:	Mod.				MODERATE		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		FLETCHERVILLE Variant	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Deep, somewhat poorly drained, light yellowish-brown clay soils in saddles	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY CROPLAND		
		and heads of drainageways; developed in residuum from	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.32	Substratum: low			
	Elataba milla	greenstone schist	Shrink-Swell Potential:	High	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	WEDV DOOD	
248B	Fletcherville variant –	May have Hydric Soil inclusions	Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY HIGH	VERY POOR Intermittent high water	VERY POOR
2.02	Myersville complex	MYERSVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	table; High shrink-swell clays occur locally	High water table
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: Monderate	PRIME CROPLAND		
		Deep, well drained, strong brown silty soils in saddles and heads of	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		drainageways; developed in residuum from greenstone schist	Shrink-Swell Potential:	low	Hydrologic Group:	В	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
		Shallow, well drained, grayish-brown	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		silty soils containing more than 35% rock fragments on steep backslopes	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.2	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
260E	Catlett gravelly silt loam; rocky	with 0.5 to 2 percent rock-outcrop; developed in residuum from purple to	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate		Shallow to rock; Very steep slopes; Rock	Shallow to rock Very steep slopes
		bluish-gray thermally altered Triassic	Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)	outcrops	very steep stopes
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
265B	Montalto silty clay loam, stony	soils with few stones and boulders on undulating summits; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		GOOD	MARGINAL Slow percolation
		residuum from Triassic diabase.	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey soils with few stones and boulders on	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		MARCHAN
265C	Montalto silty clay loam, stony	strongly sloping backslopes; developed in residuum from Triassic	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		GOOD	MARGINAL Slow percolation
		diabase.	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		

	P. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	-
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL FI	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey soils with few stones and boulders on	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		MARGINAL
265D	Montalto silty clay loam, stony	moderately steep backslopes; developed in residuum from Triassic	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		FAIR Steep slopes	Slow percolation Steep slopes
		diabase.	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		T T T
			Bearing Capacity:	low				MODERATE		
		Deep, poorly drained, dark gray	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR	
		loamy-skeletal soils (containing more than 35 percent gravels and cobbles	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.2	Subsoil: Moderate	SECONDARY PASTURE	Frequent flooding; Occasional ponding;	NOT SUITED
269A	Meetze very gravelly silt loam	in the subsoil) in drainageways; formed in alluvium from diabase and	Watertable Depth (in.):	0 - 10	K Factor (subsoil):	0.15	Substratum: Moderate		Concentrated runoff from higher areas; high	High water table
		basalt	Shrink-Swell Potential:	Mod.	Hydrologic Group:	D	Hard bedrock: Impermeable	FORESTRY (HARDWOOD)	water table; low relief; High shrink-swell clays	Landscape position
		HYDRIC SOIL	Bearing Capacity:	low				LOW	in lower substratum	
		Deep, somewhat poorly drained,	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		yellowish-brown loamy over clayey soils on undulating summits and	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	PRIME PASTURE	POOR	NOT SUITED
270B	Mt. Lucas loam	gently sloping footslopes; developed in colluvium over residuum from	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low		High water table; Shrink-swell may occur	High water table
		basalt and diabase	Shrink-Swell Potential:	High	Hydrologic Group:	C	Hard bedrock: Impermeable	FORESTRY (HARDWOOD)	in lower subsoil	
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE		
			Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	FAIR	
		Moderately deep, moderately well drained, yellowish-brown silty soils	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND	Intermittent high water table; Low bearing	POOR
274A	Ashburn gravelly silt loam	with intermittent high water table water tables on nearly level	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate		capacity when wet due to high silt content	Shallow to rock High water table
		landscapes; developed from thin fluvial capping over Triassic siltstone	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	and/or shrink-swell clay in lower subsoil	_
			Bearing Capacity:	low				MODERATELY LOW		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR	
		Moderately deep, moderately well drained ,yellowish-brown silty soils	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND	Intermittent high water table; Low bearing	POOR
274B	Ashburn gravelly silt loam	with intermittent high water table water tables gently sloping	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate		capacity when wet due to high silt content	Shallow to rock High water table
		landscapes; developed from thin fluvial capping over Triassic siltstone	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	and/or shrink-swell clay in lower subsoil	
			Bearing Capacity:	low				MODERATELY LOW		

	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red to dark- red clayey soils on undulating	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
275B	Clover gravelly silt loam	summits; developed in residuum from Triassic siltstone and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		GOOD	MARGINAL Slow percolation
		conglomerate	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, strong brown to reddish-brown loamy soils	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		MARGINAL
276B	Sudley very gravelly silt loam	on undulating summits and gently sloping backslopes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		FAIR Very gravelly surface	Slow percolation with depth
		residuum from Triassic conglomerate	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		F
			Bearing Capacity:	Mod.				MODERATE		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, strong brown to reddish-brown loamy soils	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		MARGINAL
276C	Sudley very gravelly silt loam	on strongly sloping backslopes; developed in residuum from Triassic	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		FAIR Very gravelly surface	Slow percolation with depth
		conglomerate	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		uopu.
			Bearing Capacity:	Mod.				MODERATE		
300	Urban land	This unit consists of areas where more than 80 percent of the surface is covered by parking lots, buildings, and other structures.					HIGHLY VARIABLE	E		
			Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well drained, yellowish-brown loamy soils on	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
313A	Sumerduck Variant silt loam	footslopes, heads of drainageways and benches; developed in local wash	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.32	Substratum: Moderate		FAIR High water table	POOR High water table
		and residuum from sericite and biotite schist and gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well drained, yellowish-brown loamy soils on	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
313B	Sumerduck Variant silt loam	footslopes, heads of drainageways and benches; developed in local wash	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.32	Substratum: Moderate		FAIR High water table	POOR High water table
		and residuum from sericite and biotite schist and gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well drained, yellowish-brown loamy soils on	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
313C	Sumerduck Variant silt loam	footslopes, heads of drainageways and benches; developed in local wash	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.32	Substratum: Moderate		FAIR High water table	POOR High water table
		and residuum from sericite and biotite schist and gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown coarse-loamy soils on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
320B	Tankerville loam, very stony	undulating summits and gently sloping backslopes; 0.1 – 3% surface	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		FAIR Shallow to rock Stones	POOR Shallow to rock
		stones; developed in residuum from granite, schist and gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown coarse-loamy soils on rolling	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	FAIR	
320C	Tankerville loam, very stony	backslopes; 0.1 – 3% surface stones;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Shallow to rock Stones	POOR Shallow to rock
		developed in residuum from granite, schist and gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	Stones	
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
			Slope (%)	15 - 25	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown coarse-loamy soils on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	POOR	POOR
320D	Tankerville loam, very stony	moderately steep backslopes; 0.1 – 3% surface stones; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Shallow to rock; Stones Steep slopes	Steep slopes Shallow to rock
		residuum from granite, schist and gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	Steep stopes	Shanow to lock
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown coarse-loamy soils on steep	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	VERY POOR	NOT SUITED
320E	Tankerville loam, very stony	backslopes; $0.1 - 3\%$ surface stones; developed in residuum from granite,	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Shallow to rock Stones	Very steep slopes Shallow to rock
		schist and gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	Very steep slopes	Shanow to rock
			Bearing Capacity:	Mod.		**	Hard Bedrock: Impermeable	LOW		
			Slope (%)	45 - 65	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
	Tankerville loam,	Moderately deep, well drained, strong brown coarse-loamy soils on very	Bedrock Depth (in.): Watertable Depth	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED	VERY POOR Shallow to rock	NOT SUITED
320F	very stony	steep backslopes; 0.1 – 3% surface stones; developed in residuum from	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	FORESTRY	Stones Very steep slopes	Very steep slopes Shallow to rock
		granite, schist and gneiss	Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low Hard Bedrock:	(HARDWOOD)	very steep stopes	
			Bearing Capacity:	Mod.	Erosional Hazard		Impermeable	LOW		
		HAZEL	Slope (%) Bedrock Depth	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE SECONDARY		
		Moderately deep, excessively drained, yellowish-brown coarse-	(in.): Watertable Depth	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	CROPLAND		
		loamy soils on narrow summits and gently sloping backslopes; developed	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	FORESTRY		
		in residuum from arkosic sandstone and meta-graywacke	Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	(HARDWOOD) MODERATELY		
325B			Bearing Capacity:	Mod.	Erosional Hazard			LOW	FAIR Shallow to rock	MARGINAL Shallow to rock
	Complex	EDGEMONT	Slope (%) Bedrock Depth	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE PRIME	bhanow to rock	Shanow to rock
		Very deep, well drained, yellowish- brown loamy soils on narrow	(in.): Watertable Depth	> 60	K Factor (surface):	0.32	Subsoil: Moderate	CROPLAND		
		summits and gently sloping backslopes; developed in residuum	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.28	Substratum: Moderate	FORESTRY		
		from arkosic sandstone and meta- graywacke	Potential:	low	Hydrologic Group:	В		(HARDWOOD) MODERATELY		
		- 1	Bearing Capacity:	Mod.	Erosional Hazard			LOW		
		HAZEL	Slope (%) Bedrock Depth	7 - 15	Potential:	Mod.	Surface: Moderate	AGRICULTURE SECONDARY		
		Moderately deep, excessively drained, yellowish-brown coarse-	(in.): Watertable Depth	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	CROPLAND		
		loamy soils on narrow summits and strongly sloping backslopes;	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	FORESTRY		
	Han 1	developed in residuum from arkosic sandstone and meta-graywacke	Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	(HARDWOOD) MODERATELY		
325C	Hazel – Edgemont	, , , , , , , , , , , , , , , , , , ,	Bearing Capacity:	Mod.				LOW	FAIR	MARGINAL

MA	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
3230	Complex	EDGEMONT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	Shallow to rock	Shallow to rock
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
		brown loamy soils on narrow summits and strongly sloping	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		backslopes; developed in residuum from arkosic sandstone and meta-	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
		graywacke	Bearing Capacity:	Mod.				MODERATELY LOW		

	. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEN	
\$	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		HAZEL	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Moderately deep, excessively	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		drained, yellowish-brown coarse- loamy soils on moderately steep	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		backslopes; developed in residuum from arkosic sandstone and meta-	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	FORESTRY (HARDWOOD)		
325D	Hazel – Edgemont	graywacke	Bearing Capacity:	Mod.				MODERATELY LOW	FAIR Shallow to rock	MARGINAL Shallow to rock
0202	Complex	EDGEMONT	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	Steep slopes	Steep slopes
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		brown loamy soils on moderately steep backslopes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		residuum from arkosic sandstone and meta-graywacke	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
		HAZEL	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Moderately deep, excessively	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
		drained, yellowish-brown coarse- loamy soils on steep backslopes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
		developed in residuum from arkosic sandstone and meta-graywacke	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	FORESTRY (HARDWOOD)		
325E	Hazel – Edgemont		Bearing Capacity:	Mod.				MODERATELY LOW	POOR Shallow to rock	NOT SUITED Shallow to rock
	Complex	EDGEMONT	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	Y Very steep slopes	Very steep slopes
		Very deep, well drained, yellowish-	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
		brown loamy soils on steep backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		from arkosic sandstone and meta- graywacke	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		

	. UNIT SYMBOL			ı	General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Moderately deep, excessively well drained, dark brown, loamy skeletal	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		soil on rolling summits and strongly sloping backslopes; contains greater	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY PASTURE	FAIR	
330C	Peaks sandy loam; very stony	than 35% coarse fragments in the subsoil; developed in residuum from	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Shallow to rock Stoniness	POOR Shallow to rock
		coarse-grained granite; predominantly found on the Cobbler	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		mountain formations	Bearing Capacity:	High				LOW		
		Moderately deep, excessively well	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		drained, dark brown, loamy skeletal soil on moderately steep backslopes;	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY PASTURE	FAIR	POOR
330D	Peaks sandy loam; very stony	contains greater than 35% coarse fragments in the subsoil; developed	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Shallow to rock Stoniness	Shallow to rock Steep slopes
		in residuum from coarse-grained granite; predominantly found on the	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	Steep slopes	Steep slopes
		Cobbler Mountain formations	Bearing Capacity:	High				LOW		
		Moderately deep, excessively well	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		drained, dark brown, loamy skeletal soil on steep backslopes; contains	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	NOT SUITED	POOR	NOT SUITED
330E	Peaks sandy loam; very stony	greater than 35% coarse fragments in the subsoil; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Shallow to rock Stoniness	Shallow to rock Very steep slopes
		from coarse-grained granite; predominantly found on the Cobbler	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	Very steep slopes	very steep slopes
		Mountain formations	Bearing Capacity:	High				LOW		
		Moderately deep, well drained, strong	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		brown loamy-skeletal soils containing more than 35% rock	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
340B	Catoctin silt loam	fragments in the subsoil on undulating summits and gently	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate		FAIR Shallow to rock	POOR Shallow to rock
		sloping backslopes in highly dissected landscapes; developed in	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		residuum from greenstone	Bearing Capacity:	Mod.				MODERATELY LOW		
		Moderately deep, well drained, strong	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		brown loamy-skeletal soils containing more than 35% rock	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		2025
340C	Catoctin silt loam	fragments in the subsoil on rolling summits and strongly sloping	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate		FAIR Shallow to rock	POOR Shallow to rock
		backslopes in highly dissected landscapes; developed in residuum	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		from greenstone	Bearing Capacity:	Mod.				MODERATELY LOW		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	-
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL FI	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Moderately deep, well drained, strong	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		brown loamy-skeletal soils containing more than 35% rock	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE	FAIR	POOR
340D	Catoctin silt loam	fragments in the subsoil on moderately steep backslopes in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate		Shallow to rock; Steep slopes	Shallow to rock Steep slopes
		highly dissected landscapes; developed in residuum from	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	Siopes	Steep stopes
		greenstone	Bearing Capacity:	Mod.				MODERATELY LOW		
		Moderately deep, well drained, strong	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
	Catoctin silt	brown loamy-skeletal soils containing more than 35% rock	Bedrock Depth (in.): Watertable Depth	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	POOR	NOT SUITED
340E	loam	fragments in the subsoil on steep backslopes in highly dissected	(in.): Shrink-Swell	> 40	K Factor (subsoil):	0.17	Substratum: Moderate	EODECEDY	Shallow to rock; Very steep slopes	Shallow to rock Very steep slopes
		landscapes; developed in residuum from greenstone	Potential:	low	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD) MODERATELY		
		-	Bearing Capacity:	Mod.	Erosional Hazard			LOW		
		Shallow, somewhat poorly drained,	Slope (%)	0 - 2	Potential:	Slight	Surface: Moderate	AGRICULTURE SECONDARY		
	Catlett gravelly	loamy-skeletal, dark gray soils containing more than 35% rock	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.2	Subsoil: low	CROPLAND	FAIR	NOT SUITED
360A	silt loam; (Wet Phase)	fragments on nearly level summits and backslopes; developed in	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.15	Substratum: low	FORESTRY	Shallow to rock High water table	Shallow to rock High water table
		residuum from purple to bluish-gray thermally altered Triassic shale	Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: Impermeable Hard Bedrock:	(HARDWOOD) MODERATELY		
			Bearing Capacity:	Mod.	Erosional Hazard		Impermeable	LOW		
		Shallow, somewhat poorly drained, loamy-skeletal, dark gray soils	Slope (%)	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE SECONDARY		
	Catlett gravelly	containing more than 35% rock fragments on undulating summits	Bedrock Depth (in.): Watertable Depth	10 - 20	K Factor (surface):	0.2	Subsoil: low	CROPLAND	FAIR	NOT SUITED
360B	silt loam; (Wet Phase)	and gently sloping backslopes; developed in residuum from purple to	(in.): Shrink-Swell	10 - 20	K Factor (subsoil):	0.15	Substratum: low Weathered Bedrock:	FORESTRY	Shallow to rock High water table	Shallow to rock High water table
		bluish-gray thermally altered Triassic shale	Potential:	low	Hydrologic Group:	D	Impermeable Hard Bedrock:	(HARDWOOD) MODERATELY		
		share	Bearing Capacity:	Mod.	Erosional Hazard		Impermeable	LOW		
		Shallow, somewhat poorly drained,	Slope (%)	7 - 15	Potential:	High	Surface: Moderate	AGRICULTURE		
	Catlett gravelly	loamy-skeletal, dark gray soils containing more than 35% rock	Bedrock Depth (in.): Watertable Depth	10 - 20	K Factor (surface):	0.2	Subsoil: low	PRIME PASTURE	FAIR	NOT SUITED
360C	silt loam; (Wet Phase)	fragments on strongly sloping backslopes; developed in residuum	(in.): Shrink-Swell	10 - 20	K Factor (subsoil):	0.15	Substratum: low Weathered Bedrock:	FORESTRY	Shallow to rock High water table	Shallow to rock High water table
		from purple to bluish-gray thermally altered Triassic shale	Potential:	low	Hydrologic Group:	D	Impermeable	(HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

	. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Montalto silty	Very deep, well drained, red clayey soils with many stones and few	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
365B	clay loam; extremely stony	boulders on undulating summits of ridges; developed in residuum from	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		FAIR Stoniness	MARGINAL Slow percolation
		Triassic diabase.	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Montalto silty	Very deep, well drained, red clayey soils with many stones and few	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
365C	•	boulders on strongly sloping backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		FAIR Stoniness	MARGINAL Slow percolation
	extremely stony	from Triassic diabase.	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
		Very deep, somewhat poorly drained, yellowish-brown loamy over clayey	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		soils on gently sloping summits and footslopes; soil surface is covered by	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY PASTURE	POOR Intermittet high water	
370B	Mt. Lucas loam, extremely stony	4 – 15% stones; developed in colluvium over residuum from basalt	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low		table; Stoniness; Shrink- swell may occur in	NOT SUITED High water table
		and diabase	Shrink-Swell Potential:	High	Hydrologic Group:	С	Hard bedrock: Impermeable	FORESTRY (HARDWOOD)	lower subsoil	
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY LOW		
		Moderately deep, somewhat poorly	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	FAIR	
		drained, strong brown silty soils with intermittent high water tables on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE	Intermittent high water table; Low bearing	POOR
374A	Ashburn silt loam, wet phase	broad, nearly level upland flats; developed from thin fluvial capping	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.24	Substratum: Moderate		capacity when wet due to high silt content	Shallow to rock High water table
		over Triassic siltstone, fine grained sandstone and shale	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	and/or shrink-swell clay in subsoil	mgn water table
		sandstone and shale	Bearing Capacity:	low				MODERATELY LOW	in subseri	
		Moderately deep, somewhat poorly	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR	
		drained, strong brown silty soils with intermittent high water tables on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE	Intermittent high water table; Low bearing	POOR
374B	Ashburn silt loam, wet phase	broad, gently sloping upland flats; developed from thin fluvial capping	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.24	Substratum: Moderate		capacity when wet due to high silt content	Shallow to rock High water table
		over Triassic siltstone, fine grained sandstone and shale	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	and/or shrink-swell clay in subsoil	ing
		sandyone and shale	Bearing Capacity:	low				MODERATELY LOW	III SUUSUII	

MAI	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Very deep, moderately well to somewhat poorly drained, mottled	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		yellowish-brown and gray clayey soils on footslopes, heads of	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE	POOR Intermittent high water	
413B	Lignum Variant silt loam	drainageways and gently sloping benches; developed in local wash and	Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.28	Substratum: low		table; Low bearing capacity; May have	NOT SUITED High water table
		residuum from sericite and biotite schist and gneiss	Shrink-Swell Potential:	High	Hydrologic Group:	С		FORESTRY (HARDWOOD)	shrink-swell clay in subsoil	
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY LOW		
		Very deep, moderately well to somewhat poorly drained, mottled	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		yellowish-brown and gray clayey soils on footslopes, heads of	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE	POOR Intermittent high water	NOT GIVEND
413C	Lignum Variant silt loam	drainageways and strongly sloping backslopes; developed in local wash	Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.28	Substratum: low		table; Low bearing capacity; May have	NOT SUITED High water table
		and residuum from sericite and biotite schist and gneiss	Shrink-Swell Potential:	High	Hydrologic Group:	С		FORESTRY (HARDWOOD)	shrink-swell clay in subsoil	
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY LOW		
			Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well drained, yellowish-brown loamy soils with	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	FAIR	
415A	Seneca Variant loam	intermittent high water tables on nearly level colluvial benches and	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate		Intermittent high water table; Low bearing	POOR High water table
		toeslopes; developed in recent colluvium from crystalline uplands	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	capacity when wet	
			Bearing Capacity:	Mod.				MODERATELY HIGH		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well drained, yellowish-brown loamy soils with	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	FAIR	
415B	Seneca Variant loam	intermittent high water tables on gently sloping colluvial benches and	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate		Intermittent high water table; Low bearing	POOR High water table
		toeslopes; developed in recent colluvium from crystalline uplands	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	capacity when wet	
			Bearing Capacity:	Mod.				MODERATELY HIGH		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well drained, yellowish-brown loamy soils with	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	FAIR	
415C	Seneca Variant loam	intermittent high water tables on strongly sloping colluvial benches	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate		Intermittent high water table; Low bearing	POOR High water table
		and toeslopes; developed in recent colluvium from crystalline uplands	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	capacity when wet	
			Bearing Capacity:	Mod.				MODERATELY HIGH		

	. UNIT SYMBOL				General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown to reddish-brown loamy soils	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	GOOD	
416A	Meadowville Variant silt loam	on nearly level colluvial benches and toeslopes; developed in recent	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Intermittent high water table	MARGINAL Landscape position
		colluvium and local wash from acid rock materials	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown to reddish-brown loamy soils	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	GOOD	
416B	Meadowville Variant silt loam	on gently sloping colluvial benches and toeslopes; developed in recent	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Intermittent high water table	MARGINAL Landscape position
		colluvium and local wash from acid rock materials	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown to reddish-brown loamy soils	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	GOOD	
416C	Meadowville Variant silt loam	on strongly sloping colluvial benches and toeslopes; developed in recent	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Intermittent high water table	MARGINAL Landscape position
		colluvium and local wash from acid rock materials	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	more	
			Bearing Capacity:	Mod.				MODERATELY HIGH		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown to reddish-brown loamy soils	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE	FAIR	MARGINAL
416D	Meadowville Variant silt loam	on strongly sloping colluvial benches and toeslopes; developed in recent	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Intermittent high water table; Steep slopes	Landscape position Steep slopes
		colluvium and local wash from acid rock materials	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	, 2	and makes
			Bearing Capacity:	Mod.				MODERATELY HIGH		
			Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
	No. 1 P. 1	Very deep, well drained, brown loamy soils on nearly level colluvial	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	GOOD	MARGRAN
417A	Middleburg Variant loam	benches and toeslopes; developed in recent colluvium from basic	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Intermittent high water table	MARGINAL Landscape position
		crystalline rock materials	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		

	. UNIT SYMBOL				General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, brown loamy soils on gently sloping	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	GOOD	
417B	Middleburg Variant loam	colluvial benches and toeslopes; developed in recent colluvium from	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Intermittent high water table	MARGINAL Landscape position
		basic crystalline rock materials	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	table	
			Bearing Capacity:	Mod.				HIGH		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, brown loamy soils on strongly sloping	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	GOOD	
417C	Middleburg Variant loam	colluvial benches and toeslopes; developed in recent colluvium from	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Intermittent high water table	MARGINAL Landscape position
		basic crystalline rock materials	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, brown loamy soils on strongly sloping	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE	GOOD	MARGINAL
417D	Middleburg Variant loam	colluvial benches and toeslopes; developed in recent colluvium from	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		Intermittent high water table; Steep slopes	Landscape position Steep slopes
		basic crystalline rock materials	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)	, 1	1 1
			Bearing Capacity:	Mod.				HIGH		
			Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown coarse-loamy soils on steep	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
420E	Tankerville loam, extremely stony	backslopes; 3 – 15% surface stones; developed in residuum from granite,	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Very steep slopes; Shallow to rock;	Shallow to rock Very steep slopes
		schist and gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	Stoniness	, , ,
			Bearing Capacity:	Mod.		¥.7	Hard Bedrock: Impermeable	LOW		
			Slope (%)	45 - 65	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
	m 1 '11 1	Moderately deep, well drained, strong brown coarse-loamy soils on very	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
420F	Tankerville loam, extremely stony	steep backslopes; 3–15% surface stones; developed in residuum from	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	TODE CONTRACT	Very steep slopes; Shallow to rock;	Shallow to rock Very steep slopes
		granite, schist and gneiss	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)	Stoniness	
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

MAI	P. UNIT SYMBOL			(General Character	ristics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown coarse-loamy soils on	Bedrock Depth (in.):	> 60	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY CROPLAND		
421B	Philomont sandy loam	undulating summits and gently sloping backslopes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate		GOOD	GOOD
		residuum from augen gneiss, granite gneiss and granite	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	DI'I I	Very deep, well drained, yellowish- brown coarse-loamy soils on rolling	Bedrock Depth (in.):	> 60	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY CROPLAND		
421C	Philomont sandy loam	summits and strongly sloping backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate		GOOD	GOOD
		from augen gneiss, granite gneiss and granite	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	F ' 111 1			MODERATE		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
	DI 11	Very deep, well drained, yellowish- brown coarse-loamy soils on	Bedrock Depth (in.):	> 60	K Factor (surface):	0.24	Subsoil: Moderate	PRIME PASTURE	EAR	MARCRIAL
421D	Philomont sandy loam	moderately steep backslopes; developed in residuum from augen	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate		FAIR Steep slopes	MARGINAL Steep slopes
		gneiss, granite gneiss and granite	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	F	V		MODERATELY LOW		
			Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
	DI 11	Very deep, well drained, yellowish- brown coarse-loamy soils on steep	Bedrock Depth (in.):	> 60	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY PASTURE	DOOD	DOOD
421E	Philomont sandy loam	backslopes; developed in residuum from augen gneiss, granite gneiss and	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate		POOR Very steep slopes	POOR Very steep slopes
		granite	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	F	V		MODERATELY LOW		
			Slope (%)	45 - 65	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
	Dhilomont 1	Very deep, well drained, yellowish- brown coarse-loamy soils on very	Bedrock Depth (in.):	> 60	K Factor (surface):	0.24	Subsoil: Moderate	NOT SUITED	VEDV POOP	NOT SUITED
421F	Philomont sandy loam	steep backslopes; developed in residuum from augen gneiss, granite	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate	FORDOWS	VERY POOR Very steep slopes	Very steep slopes
		gneiss and granite	Shrink-Swell Potential:	low	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		

	P. UNIT SYMBOL			ı	General Character	ristics		LAND	DEVELOPMENT I PROBLEM	-
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, excessively drained, yellowish-brown coarse-	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
425C	Hazel fine sandy loam	loamy soils on rolling summits and strongly sloping backslopes;	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		FAIR Shallow to rock	POOR Shallow to rock
		developed in residuum from arkosic sandstone and meta-graywacke	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Moderately deep, excessively drained, yellowish-brown coarse-	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE	FAIR	POOR
425D	Hazel fine sandy loam	loamy soils on moderately steep backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Shallow to rock; Steep slopes	Shallow to rock Steep slopes
		from arkosic sandstone and meta- graywacke	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	FORESTRY (HARDWOOD)	•	1 1
			Bearing Capacity:	Mod.	Erosional Hazard	**		MODERATELY LOW		
			Slope (%)	25 - 45	Potential:	Very High	Surface: Moderate	AGRICULTURE		
	II 16 1	Moderately deep, excessively drained, yellowish-brown coarse-	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE	POOR	NOT SUITED
425E	Hazel fine sandy loam	loamy soils on steep backslopes; developed in residuum from arkosic	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	TO DUCKENY	Shallow to rock; Very steep slopes	Shallow to rock Very steep slopes
		sandstone and meta-graywacke	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	F ' 111 1			LOW		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, dark brown coarse-loamy soil on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	PRIME CROPLAND	EAR	DOOD
430B	Chestnut sandy loam	undulating summits and gently sloping backslopes; developed in	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		FAIR Shallow to rock	POOR Shallow to rock
		residuum from coarse-grained granite	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	Erosional Hazard			MODERATELY LOW		
			Slope (%)	7 - 15	Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	Chastnut and	Moderately deep, well drained, dark brown coarse-loamy soil on rolling	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY CROPLAND	EAD	POOR
430C	Chestnut sandy loam	summits and strongly sloping backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	EODECEDA	FAIR Shallow to rock	Shallow to rock
		from coarse-grained granite	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		

	. UNIT SYMBOL			(General Character	istics		LAND	DEVELOPMENT I PROBLEM	
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, dark brown coarse-loamy soil on	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	PRIME PASTURE	POOR	POOR
430D	Chestnut sandy loam	moderately steep backslopes; developed in residuum from coarse-	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Shallow to rock Steep slopes	Shallow to rock Steep slopes
		grained granite;	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: low	FORESTRY (HARDWOOD)	Steep stopes	Steep stopes
			Bearing Capacity:	Mod.				MODERATELY LOW		
			Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
	Cl	Moderately deep, well drained, dark	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY PASTURE	VERY POOR	NOT SUITED
430E	Chestnut sandy loam	brown coarse-loamy soil on steep backslopes; developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate		Shallow to rock Very steep slopes	Shallow to rock Very steep slopes
		from coarse-grained granite	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: low	FORESTRY (HARDWOOD)	7 1 1	7 1 1
			Bearing Capacity:	Mod.		**		LOW		
			Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
	Chestnut sandy	Moderately deep, well drained, dark brown, coarse-loamy soil on steep	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	NOT SUITED	VERY POOR	NOT SUITED
430E3	loam; severely eroded	backslopes; most of the topsoil and subsoil has been eroded off,	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate	TODUCTON	Shallow to rock; Very steep slopes	Shallow to rock Very steep slopes
		developed in residuum from coarse- grained granite	Shrink-Swell Potential:	low	Hydrologic Group:	В	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	F ' 111 1			LOW		
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well drained, yellowish-red clayey soils on	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	FAIR	DOOD
434B	Flume loam	undulating summits and gently sloping backslopes; developed in	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low	TODUCTON	Intermittent high water table	POOR High water table
		residuum from sericite, biotite schist and meta-monzonite granite	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.	Emosional Hazand			MODERATELY LOW		
		Vome door moderately will don't	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well drained, yellowish-red clayey soils on undulating summits and gently	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND	FAIR	POOR
434C	Flume loam	sloping backslopes; developed in residuum from sericite, biotite schist	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low	FOREGRAM	Intermittent high water table	High water table
		and meta-monzonite granite	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		

	. UNIT SYMBOL			ı	General Character	istics	LAND	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
-	SOIL NAME SLOPE	SOIL DESCRIPTION	SOIL FEATURES				$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Very deep, somewhat poorly drained, brownish- yellow loamy soils with	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		high water tables on broad nearly level summits and slight depressions;	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	PRIME PASTURE	VERY POOR	
438A	Swampoodle Variant loam	may have shrink-swell clay in subsoil; developed in local colluvium	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: Moderate		High water table; Possible shrink-swell	NOT SUITED High water table
		and residuum from granitic rocks	Shrink-Swell Potential:	High	Hydrologic Group:	С		FORESTRY (HARDWOOD)	clays	
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE		
		Very deep, somewhat poorly drained, brownish- yellow loamy soils with	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		NOT SUITED High water table
	Swampoodle Variant loam	high water tables on broad undulating summits and slight depressions; may have shrink-swell clay in subsoil; developed in local	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	PRIME PASTURE	VERY POOR High water table; Possible shrink-swell	
438B			Watertable Depth (in.):	10 -20	K Factor (subsoil):	0.28	Substratum: Moderate			
		colluvium and residuum from granitic rocks	Shrink-Swell Potential:	High	Hydrologic Group:	С		FORESTRY (HARDWOOD)	clays	
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE		
		ALANTHUS	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		POOR Shallow to rock
		Very deep, moderately well drained,	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
		yellowish-red silty soils on undulating summits; soil surface may	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.23	Substratum: Moderate			
		contain a few cobbles and/or stones; developed in residuum from	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		
440B	Alanthus - Pignut silt loam;	greenstone	Bearing Capacity:	Mod.				MODERATE	FAIR Shallow to rock	
440D	(Wet phase)	PIGNUT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	High water table	High water table
		Moderately deep, moderately well to somewhat poorly drained, strong brown to yellowish red silty soils on undulating summits and gently sloping backslopes in highly dissected landscapes; developed in	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		residuum from greenstone to chloritic schist	Bearing Capacity:	Mod.				MODERATE		

	P. UNIT SYMBOL				General Character	LAND	DEVELOPMENT POTENTIAL AND PROBLEMS USING			
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		ALANTHUS	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well drained, yellowish-red silty soils on rolling	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
		summits and strongly sloping backslopes; soil surface may contain	Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.23	Substratum: Moderate			
		a few cobbles and/or stones; developed in residuum from	Shrink-Swell Potential:	Mod.	Hydrologic Group:	В		FORESTRY (HARDWOOD)		noon
440C	Alanthus - Pignut silt loam;	greenstone	Bearing Capacity:	Mod.	England Hand			MODERATE	FAIR Shallow to rock	POOR Shallow to rock
	(Wet phase)	PIGNUT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	High water table	High water table
		Moderately deep, moderately well to somewhat poorly drained, strong	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
		brown to yellowish red silty soils on rolling summits and strongly sloping	Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.32	Substratum: Moderate	FOREGERY		
		backslopes in highly dissected landscapes; developed in residuum	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		from greenstone to chloritic schist	Bearing Capacity:	Mod.	Erosional Hazard			MODERATE		
		ALANTHUS	Slope (%)	15 - 25	Potential:	High	Surface: Moderate	AGRICULTURE	-	
		Very deep, moderately well drained, yellowish-red silty soils on moderately steep backslopes; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.): Watertable Depth	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			(in.): Shrink-Swell	20 - 40	K Factor (subsoil):	0.32	Substratum: Moderate	FORESTRY		
				Mod.	Hydrologic Group:	С		(HARDWOOD)	POOR Shallow to rock; High water table; Steep	POOR
440D	Alanthus - Pignut Complex;		Bearing Capacity:	Mod.	Erosional Hazard			MODERATE		Shallow to rock High water table
	(Wet phase)	PIGNUT	Slope (%) Bedrock Depth	15 - 25		High	Surface: Moderate	AGRICULTURE	slopes	Steep slopes
		Moderately deep, moderately well to somewhat poorly drained, strong	(in.): Watertable Depth	20 - 40	K Factor (surface):	0.27	Subsoil: Moderate	PRIME PASTURE		
		brown to yellowish red silty soils on moderately steep backslopes in	(in.): Shrink-Swell	10 - 40	K Factor (subsoil):	0.22	Substratum: Moderate Hard Bedrock:	FORESTRY		
		highly dissected landscapes; developed in residuum from	Potential:	Mod.	Hydrologic Group:	С	Impermeable	(HARDWOOD)		
		greenstone and chloritic schist	Bearing Capacity:	Mod.	Erosional Hazard			MODERATE		
		ALANTHUS	Slope (%) Bedrock Depth	25 - 45		High	Surface: Moderate	AGRICULTURE SECONDARY		
		Very deep, moderately well drained, yellowish-red silty soils on steep backslopes; soil surface may contain a few cobbles and/or stones;	(in.): Watertable Depth	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PASTURE		
			(in.): Shrink-Swell	20 - 40	K Factor (subsoil):	0.32	Substratum: Moderate	FORESTRY		
		developed in residuum from	Potential:	Mod.	Hydrologic Group:	С		(HARDWOOD)	POOR	POOR
110F	Alanthus - Pignut	g	Bearing Capacity:	Mod.				MODERATE	Shallow to rock; High	Shallow to rock High water table

	. UNIT SYMBOL			(General Character	istics	LAND	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
SOIL NAME SLOPE		SOIL DESCRIPTION	SOIL FEATURES				K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
440E	(Wet phase)	PIGNUT	Slope (%)	25 - 45	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	water table; Steep slopes	Steep slopes
		Moderately deep, moderately well to		20 - 40	K Factor (surface):	0.27	Subsoil: Moderate	SECONDARY PASTURE		
		somewhat poorly drained, strong brown to yellowish red silty soils on	Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.22	Substratum: Moderate			
		steep backslopes in highly dissected landscapes; developed in residuum	Shrink-Swell Potential:	Mod.	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		from greenstone and chloritic schist	Bearing Capacity:	Mod.				MODERATE		
		Very deep, well drained, dark brown loamy soils on undulating summits and gently sloping backslopes; developed in residuum from Triassic diabase and basalt	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND	POOR	
467B	Haymarket variant silt loam		Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate		High shrink-swell in the subsoil	POOR Slow percolation
			Shrink-Swell Potential:	High	Hydrologic Group:	С		FORESTRY (HARDWOOD)	3003011	
			Bearing Capacity:	low				MODERATE		

MAP. UNIT SYMBOL					General Character	LAND	DEVELOPMENT POTENTIAL AND PROBLEMS USING			
1	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		NOT SUITED
		Deep, somewhat poorly drained, yellowish brown over reddish brown silty soils with seasonal perched	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE	FAIR Intermittent high water	
474A	Calverton silt loam	water tables on broad, nearly level upland flats. Developed from old	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: Moderate		table; Low bearing capacity when wet due	Shallow restrictive layer
		fluvial capping over triassic siltstone, and fine-grained sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	to high silt content	High water table
		C	Bearing Capacity:	low				MODERATELY LOW		
		Deep, somewhat poorly drained,	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		yellowish brown over reddish brown silty soils with seasonal perched	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE	FAIR Intermittent high water	NOT SUITED Shallow restrictive layer High water table
474B	Calverton silt loam	water tables on gently sloping shoulders and heads of drainageways.	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: Moderate		table; Low bearing capacity when wet due	
		Developed from old fluvial capping over triassic siltstone, and fine- grained sandstone	Shrink-Swell Potential:	low	Hydrologic Group:	С	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)	to high silt content	
			Bearing Capacity:	low				MODERATELY LOW		
	Tinpot loam	Very deep, moderately well to somewhat poorly drained, yellowish- red, dense clayey soils on nearly level summits; developed in residuum from Triassic conglomerate, shale and fine-grained sandstone	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	FAIR High water table	POOR High water table Very slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY CROPLAND		
475A			Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
		Very deep, moderately well to somewhat poorly drained yellowish- red dense clayey soils on undulating summits; developed in residuum	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		POOR High water table Very slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY CROPLAND		
475B	Tinpot loam		Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.28	Substratum: low		FAIR High water table	
		from Triassic conglomerate, shale and fine-grained sandstone	Shrink-Swell Potential:	High	Hydrologic Group:	С		FORESTRY (HARDWOOD)		very slow percolation
			Bearing Capacity:	low				MODERATELY LOW		
		Very deep, moderately well to	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		somewhat poorly drained, yellowish- red, dense clayey soils on strongly	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY CROPLAND	FAIR High water table	POOR
475C	Tinpot loam	sloping backslopes; developed in residuum from Triassic	Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.28	Substratum: low			POOR High water table Very slow percolation
		conglomerate, shale and fine-grained sandstone	Shrink-Swell Potential:	High	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
		Salistone	Bearing Capacity:	low				MODERATELY LOW		

	. UNIT SYMBOL			(General Character	LAND	DEVELOPMENT POTENTIAL AND PROBLEMS USING			
	SOIL NAME SLOPE	SOIL DESCRIPTION		SOIL F	EATURES		K _{Sat}	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, brown sandy soils on undulating	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
480B	Brentsville loam Variant	summits and gently sloping backslopes, developed in residuum	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate		FAIR Shallow to rock	POOR Shallow to rock
		from Triassic sandstone and/or meta- shale	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	High			Hard Bedrock: Impermeable	MODERATELY LOW		
			Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
	D	Moderately deep, well drained, brown sandy soils on strongly sloping	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND	EAID	POOR Shallow to rock
480C	Brentsville loam Variant	backslopes, developed in residuum from Triassic sandstone and/or meta-	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate	FOREGERY	FAIR Shallow to rock	
		shale	Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	High	Erosional Hazard		Hard Bedrock: Impermeable	MODERATELY LOW		
	Brentsville loam Variant	Moderately deep, well drained, brown sandy soils on moderately steep backslopes, developed in residuum from Triassic sandstone and/or meta-shale	Slope (%)	15 - 25	Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock; Steep slopes	POOR Shallow to rock Steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
480D			Watertable Depth (in.): Shrink-Swell	> 40	K Factor (subsoil):	0.15	Substratum: Moderate	FORESTRY		
			Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low Hard Bedrock:	(HARDWOOD)		
			Bearing Capacity:	High	Erosional Hazard		Impermeable	MODERATELY LOW		
		Very deep, moderately well drained, light yellowish-brown to strong	Slope (%)	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE SECONDARY	FAIR	POOR
	Brumbaugh	brown clayey soils on footslopes and toeslopes of mountains and broad	Bedrock Depth (in.): Watertable Depth	> 60	K Factor (surface):	0.28	Subsoil: low	CROPLAND	Intermittent high water table; Low bearing	
481B	Variant loam	gently sloping interfluves; semi- rounded stones make up 5-50% of	(in.): Shrink-Swell	20 - 40	K Factor (subsoil):	0.2	Substratum: low	FORESTRY	capacity when wet due to high shrink-swell	High water table
		the soil; developed in old mountain colluvium from mixed acidic and	Potential:	High	Hydrologic Group:	В		(HARDWOOD)	clays	
		basic rocks	Bearing Capacity:	low	Erosional Hazard			MODERATE		
			Slope (%) Bedrock Depth	2 - 7	Potential:	Mod.	Surface: Moderate	AGRICULTURE SECONDARY		
	Scattersville	Very deep, somewhat poorly drained, brownish yellow and gray clayey	(in.): Watertable Depth	> 60	K Factor (surface):	0.37	Subsoil: low	PASTURE	VERY POOR High water table; Low bearing when wet	NOT SUITED
482B	Variant loam	soils on gently sloping footslopes; developed in colluvium from felsic to	(in.): Shrink-Swell	10 - 20	K Factor (subsoil):	0.28	Substratum: low	FORESTRY		NOT SUITED High water table
		mafic rock	Potential:	High	Hydrologic Group:	С		(HARDWOOD) MODERATELY		
			Bearing Capacity:	low				LOW		

	P. UNIT SYMBOL			(General Character	ristics	LAND	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
	SOIL NAME SLOPE	SOIL DESCRIPTION	SOIL FEATURES				$\mathbf{K}_{\mathbf{Sat}}$	POTENTIALS	CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
		Very deep, somewhat poorly drained, yellowish-brown clayey soils with	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR May be with in 100 year floodplain; Rare flooding; High water table; Low bearing capacity when wet due to shrink-swell clays	NOT SUITED High water table Flooding potential
	Delanco variant loam	high water tables on nearly level, low terraces along major streams;	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
493A		developed in old alluvium washed from uplands underlain by a wide variety of rocks common to the county	Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	High	Hydrologic Group:	С		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATELY LOW		
		Moderately deep, well drained, strong brown coarse-loamy soils on very steep backslopes; 15% or more surface stones; developed in residuum from granite, schist and gneiss	Slope (%)	45 - 65	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
				20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	NOT SUITED	NOT SUITED	NOT SUITED
520F	Tankerville loam, rubbly		Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate		Very steep slopes Shallow to rock	Very steep slopes Shallow to rock
			Shrink-Swell Potential:	low	Hydrologic Group:	С	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		